



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Tischler Und Sohn (USA) Ltd.

Six Suburban Avenue

Stamford, Ct. 06901

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Tischler series Outswing glazed Wood Doors-L.M. Impact

**APPROVAL DOCUMENT:** Drawing No.1600 REV B, titled "Out-Swing Impact Wood Doors", sheets 1 through 17 of 17, dated 10/08/08 and last revised on FEB 20, 2014, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large Missile Impact Resistant

#### Limitations:

1. MDF material: Medite Exterior MDF panel EN 622 Type MDF-H2
2. See sheets 8 thru 10 for reinforcements, see glass & partial raised panel options on sheet 11.
3. Lower design pressure shall control when doors mulled w/ Tischler's transom (under separate approval) see sheet 6.
4. CMU to conform to ASTM-C 90 and min 2000 psi net compressive masonry strength.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, Kall/Eifel, Germany and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA # 11-1101.12 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 14-0303.05  
Expiration Date: May 27, 2019  
Approval Date: May 01, 2014  
Page 1

5/9/14

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's parts drawings and sections (submitted under 11-1101.12 / #09-0212.04)
2. Drawing No.1600 REV B, titled "Out-Swing Impact Wood Doors", sheets 1 through 17 of 17, dated 10/08/08 and last revised on FEB 20, 2014, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren Schaefer, P.E.

(Note: The revision consist of updating glass interlayer and angle clip masonry screw)

**B. TESTS (submitted under 11-1101.12 / #09-0212.04)**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with installation diagram of Single & Double Outswing /Inswing, Tilt/Turn Mahogany Wood French doors w/wo Sidelite & Transom, w/ MDF & wood Veneered Panels and different shapes top, prepared by Architectural Testing, Test Report(s) No. ATI 77326.01-109-18, dated 02/03/09 and ATI 77327.01-109-18, dated 02/02/09, both signed and sealed by Michael D. Stremmel, P.E.

2. Additional test report: ATI 77324.01-109.18 (specimen A3-1 & A3-7) issued by Architectural Testing per TAS 201, 202 and 203-94.

**C. CALCULATIONS**

1. Anchor calculations and structural analysis complying w/ FBC 2014 dated 02/20/2014, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed & sealed by Warren Schaefer, P.E.
2. Glazing complies with ASTM E-1300-02 &-04

**D. QUALITY ASSURANCE**

1. Miami Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**


1. Notice of Acceptance No. 12-1231.08 issued to Eastman Chemical Co (MA) former Solutia, Inc., for "Saflex CP: Saflex & Saflex HP Composite Glass Interlayer w/ PET", expiring on 12/11/2018.
2. Notice of Acceptance No. 12-1231.10 issued to Eastman Chemical Co (MA) former Solutia Inc. for "Saflex Clear or colored interlayer", expiring on 05/21/16.
3. Test report No. ATI-86006.01-106-18 (Rev 2) dated 12/12/08 and ATI-86006.02-106-18 02/05/09 for "Durability of Wood-Based Composite Lumber and panels" per ASTM ASTM D-1761 and ASTM D-4761, issued by Architectural Testing Lab (submitted under 11-1101.12 / #09-0212.04).

**F. STATEMENTS**

1. Statement letters of conformance to FBC 5th Edition (2014), dated MAR 27, 2014 and e-mail dated APR 17, 2014, prepared by W. W. Schafer Engineering & Consulting, P. A., signed and sealed by Warren W. Schafer, P.E.
2. Statement letters of conformance to FBC 2010, dated OCT 28, 2011 and "No financial interest dated OCT 24, 2011, prepared by W. W. Schafer Engineering & Consulting, P. A., signed and sealed by Warren W. Schafer, P.E. (submitted under #11-1101.12)
3. E-mail statement dated 03/31/09, issued by Michael D. Stremmel, P.E. of Architectural testing in reference to low sill, water infiltration test (submitted under 11-1101.12 / #09-0212.04)

**G. OTHER**

1. This NOA revises & renews NOA # 11-1101.12, expiring 05/27/14.
2. Test proposal # 07-3533 dated Oct 22, 2007, approved by BCCO.
3. Distribution agreement between Tishler Und Sohn (USA) and Tishler/Cornelius Korn GmbH, Germany, signed by Tim Carpenter & Wilhelm Korn, respectively.
4. Tishler's current Fixed Casement windows NOA(s) w/ Drawing references No. 1514 or 1533.

  
Ishtaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 14-0303.05

Expiration Date: May 27, 2019  
Approval Date: May 01, 2014

**GENERAL NOTES:**  
1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S).  
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.  
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.  
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.  
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).  
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.  
7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.  
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF  $K_d = 0.85$  MAY BE APPLIED PER THE ASCE 7 STANDARD.  
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR  $C_d = 1.6$  WAS USED FOR WOOD SCREW ANALYSIS ONLY.  
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.  
11. ALL WOOD MEMBERS OF DOORS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/SILL/CLIP/BACKET TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME/SILL SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS/WOOD SCREW OR 1/4" BTI SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD MIN. 1/8" THK A36 STEEL	(2) 1/4-14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	(2) 1/4-14 SELF TAP/DRILLING SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
INSTALLATION CLIP SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 X 1 1/2" SMS	1 3/8"	3/4"
MIN. 18 GA. 33 KSI METAL STUD MIN. 1/8" THK A36 STEEL	(2) 12-14 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	(2) 12-14 SELF TAP/DRILLING SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
BTI BRACKET SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	3/4"
MIN. 18 GA. 33 KSI METAL STUD MIN. 1/8" THK A36 STEEL	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"
ANGLE CLIP SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	3/4"
MIN. 18 GA. 33 KSI METAL STUD MIN. 1/8" THK A36 STEEL	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	(2) 8-18 SELF TAP/DRILLING SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).			
(2) ALL SELF TAP/DRILLING SCREWS SHALL BE MIN. GR. 5			

LOCK STRIKE  
REQUIREMENTS  
(TOP OF PANEL)

PANEL WIDTH	QUANTITY PER PANEL
RECTANGULAR PANEL	
ALL WIDTHS	2
ARCH & ROUND TOP PANEL	
OVER 32"	3
28" TO 32"	2

(1) LOCK STRIKE  
REQUIREMENTS  
(BOTTOM OF PANEL)

PANEL WIDTH	QUANTITY PER PANEL
ALL PANEL SHAPES	
ALL WIDTHS	2
(1) WHEN ADA SILL IS USED WITH DOUBLE DOORS, ONLY THE KVF LOCK SYSTEM MAY BE USED. WHEN ADA SILL IS USED WITH A SINGLE DOOR, BOTH THE KVF & SIEGENIA LOCK SYSTEMS APPLY BUT DO NOT REQUIRE SILL STRIKES.	

LOCK STRIKE  
REQUIREMENTS  
(LOCK SIDE OF  
PANEL)

(1) PANEL HEIGHT	QUANTITY PER PANEL
ALL PANEL SHAPES	
OVER 96"	4
76" TO 96"	3
(1) THE "PANEL HEIGHT" IS CONSIDERED TO BE FULL PANEL HEIGHT FOR RECTANGULAR UNITS OR DISTANCE FROM THE BASE OF PANEL TO PANEL SRINGLINE FOR SHAPED UNITS	

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

HINGE REQUIREMENTS

(1) PANEL HEIGHT	QUANTITY PER PANEL
OVER 99"	5
76" TO 99"	4
(1) THE "PANEL HEIGHT" IS CONSIDERED TO BE FULL PANEL HEIGHT FOR RECTANGULAR UNITS OR DISTANCE FROM THE BASE OF PANEL TO PANEL SRINGLINE FOR SHAPED UNITS	

PANEL WIDTH DIMENSIONS ARE APPROXIMATELY 3" LESS THAN THE FRAME WIDTH & PANEL HEIGHT WIDTH DIMENSIONS ARE APPROXIMATELY 13/4" LESS THAN THE FRAME HEIGHT

ALLOWABLE DESIGN PRESSURE  
(SINGLE & DOUBLE OPERABLE DOORS)

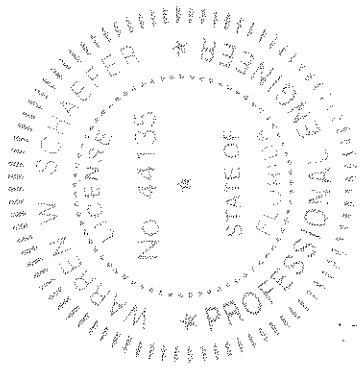
MAX. FRAME WIDTH (IN.)	MAX. FRAME HEIGHT (IN.)	ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
SINGLE DOOR			
51 11/16	120	(2) 70	(2) 70
41 1/2	99	70	(1) 85
DOUBLE DOOR			
80 1/16	120	70	70
80 1/16	99	70	(1) (3) 85

(1) HIGHER PRESSURE OF -85 PSF IS ONLY APPLICABLE WHEN GLASS OPTIONS 2 & 5 ARE USED & WITH STANDARD OR OPTIONAL SILL (USE OF ADA SILL IS NOT APPLICABLE TO UNITS WITH PRESSURE EXCEEDING +/-70 PSF).  
(2) WITH FULL SIZE SINGLE DOORS USING GLASS OPTION 4, ALLOWABLE PRESSURE MUST BE REDUCED TO +/-65 PSF. PRESSURE MAY BE INCREASED TO +/-70 PSF IF THE D.L.O. WIDTH IS DECREASED TO MAX. 38.5" OR THE D.L.O. HEIGHT IS DECREASED TO MAX. 98".  
(3) HIGHER PRESSURE OF -85 PSF IS ONLY APPLICABLE WITH DOUBLE DOORS WHEN THE DOUBLE DOOR MEETING STILES ARE BAR REINFORCED (REF. SECTIONS).

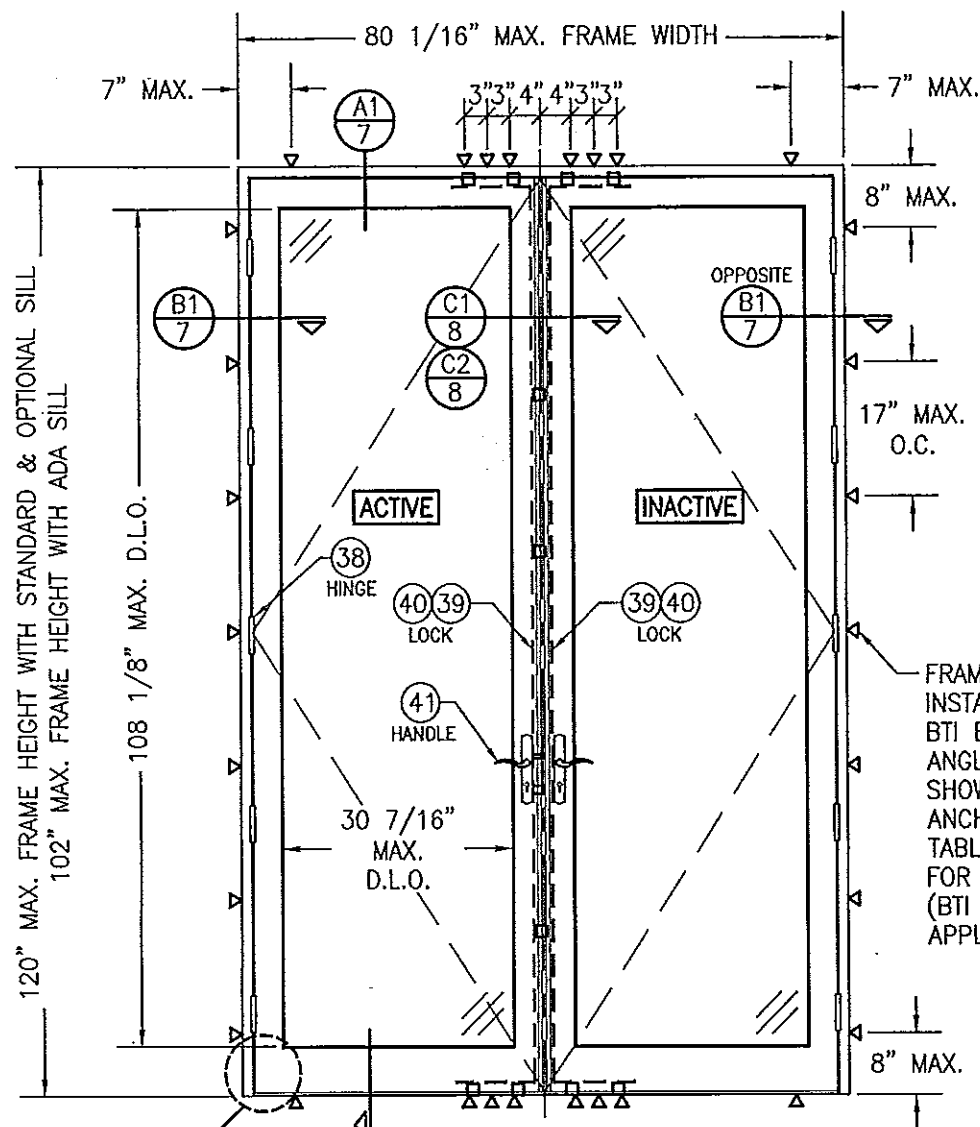
CORNER CONSTRUCTION:

RECTANGULAR FRAME CORNERS: MORTISE & TENON CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.  
ARCHED FRAME CORNERS: ARCHED FRAME BUTTED TO STRAIGHT FRAME, JOINED WITH ONE(1) NO.14 X 3" WOOD SCREW, & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.  
HALF ROUND FRAME CORNERS: FINGER JOINT CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.  
RECTANGULAR PANEL CORNERS:  
OPTION 1 (USED WITH STILE & RAIL CONDITIONS WHERE MEMBERS ARE 4.250" OR LESS IN OVERALL HEIGHT): MORTISE & TENON CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.  
OPTION 2 (USED WITH STILE & RAIL CONDITIONS WHERE MEMBERS ARE GREATER THAN 4.250" IN OVERALL HEIGHT): MEMBERS ARE SQUARE CUT, BUTTED, JOINED WITH FIVE(5) #5/16 X 2" WOOD DOWELS, & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.  
ARCHED PANEL CORNERS: ARCHED RAIL BUTTED TO STRAIGHT STILE, JOINED WITH ONE(1) NO.14 X 3" WOOD SCREW, & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.  
HALF ROUND PANEL CORNERS: FINGER JOINT CONSTRUCTION JOINED & GLUED WITH PONAL SUPER 3 WOOD GLUE OR EQUIVALENT.  
SILL CORNERS:  
ALL SILL CONDITIONS: SILL IS BUTTED TO THE JAMBS & JOINED WITH THREE(3) NO.6 X 2" WOOD SCREWS & SEALED WITH SEALANT.

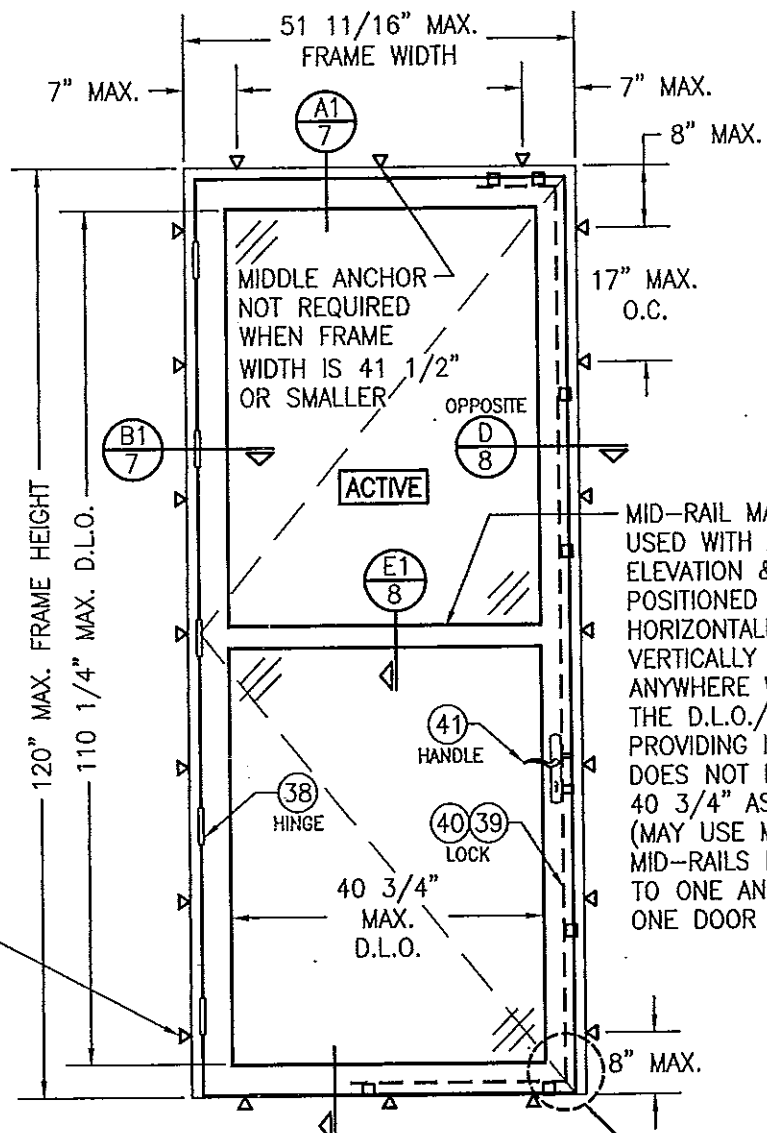
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0303-05  
Expiration Date MAY 27, 2019  
By [Signature]  
Miami Field Product Control



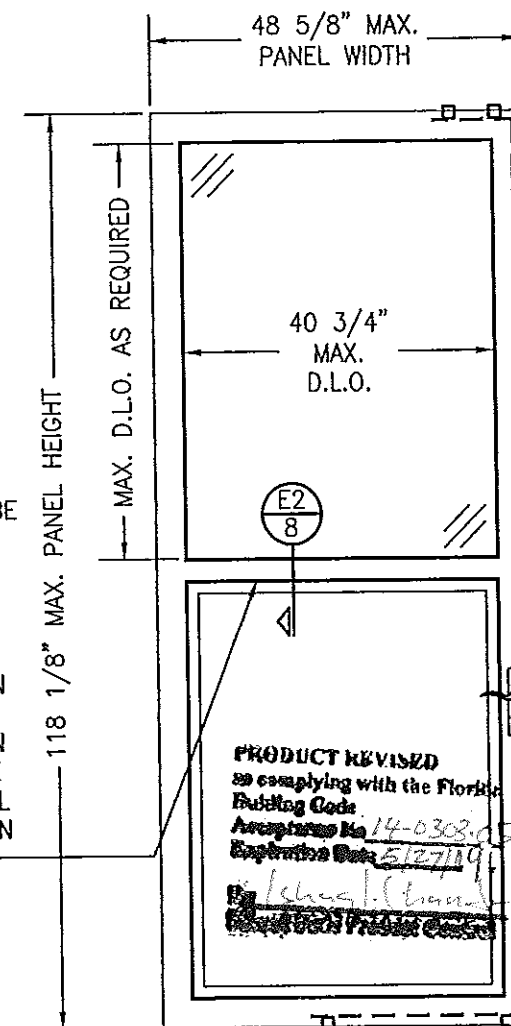
DRAWN BY: W.R.U.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 10/08/08	
DATE	BY	DATE	BY
10/25/11	W.R.U.	02/20/14	W.W.S.
REVISION	DESCRIPTION	NO.	DATE
A1	UPDATE TO CURRENT STANDARDS	B1	
DRAWING TITLE: OUT-SWING IMPACT WOOD DOORS			
MANUFACTURER: TISCHLER UND SOHN (USA) LTD. SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 06901 203-674-0600		CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION: FEB 20 2014		DRAWING NO. 1600 SHEET NO. 1 OF 17	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135		REV. B	



EXTERIOR ELEVATION:  
DOUBLE RECTANGULAR DOOR  
SCALE: 1/2" = 1'-0"



EXTERIOR ELEVATION:  
SINGLE RECTANGULAR DOOR  
SCALE: 1/2" = 1'-0"



EXTERIOR ELEVATION:  
PARTIAL RAISED PANEL  
SCALE: 1/2" = 1'-0"  
(SEE SINGLE DOOR ELEVATIONS FOR DOOR  
DETAIL AND INSTALLATION NOT SHOWN)

ALLOWABLE DESIGN PRESSURE  
SEE PRESSURE TABLE ON SHEET 1

#### PANEL NOTES:

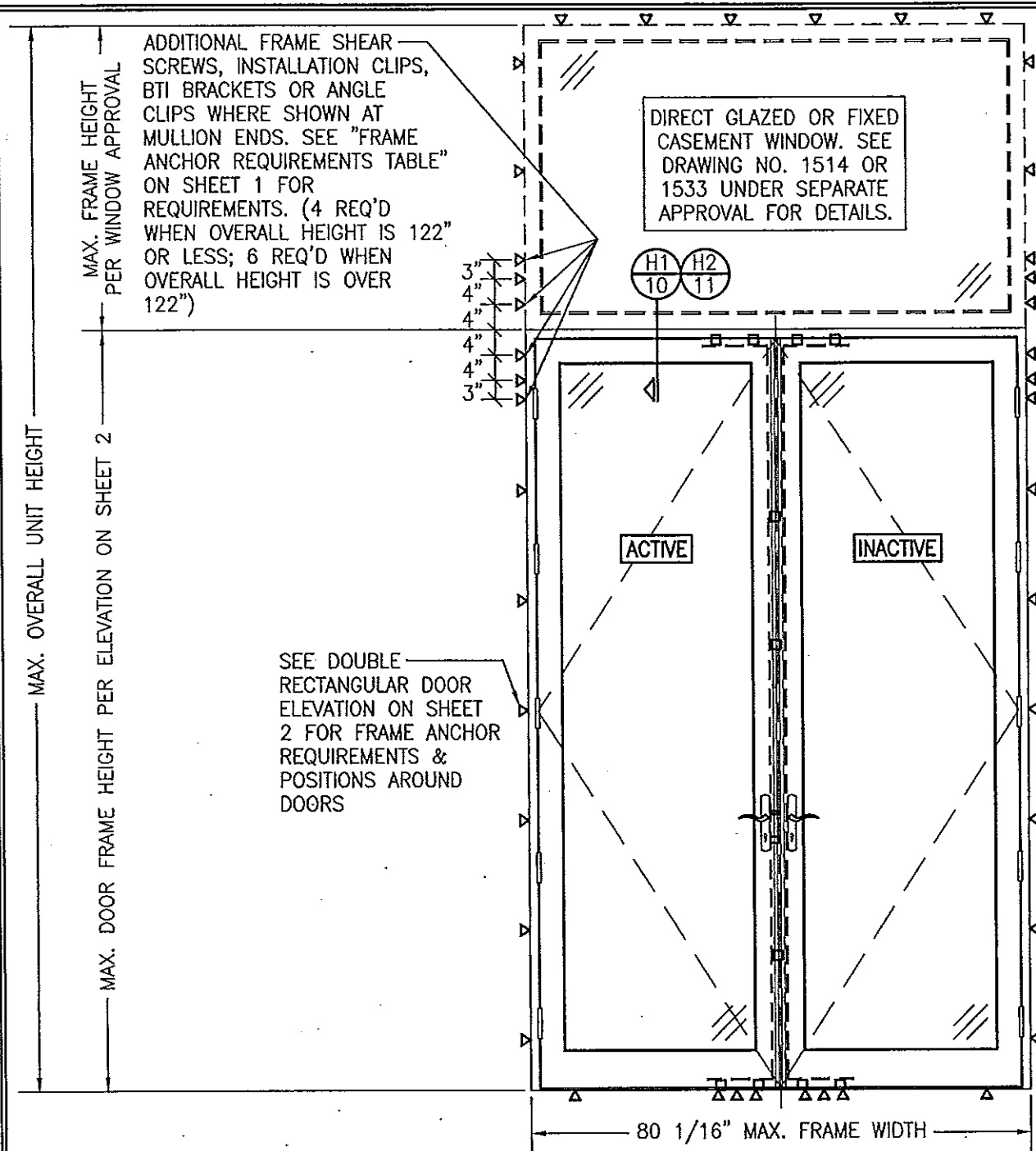
1. SINGLE RAISED PANEL CONDITION SHOWN, MORE THAN ONE RAISED PANEL MAY EXIST IN A SINGLE DOOR PANEL WHEN MULTIPLE MID-RAILS ARE USED.
2. PANEL ONLY IS SHOWN. FOR INSTALLATION INTO FRAME, SEE OTHER ELEVATIONS.
3. THESE PANEL CONDITIONS APPLY WITH BOTH OPERABLE & FIXED PANEL DOORS
4. RECTANGULAR CONDITION SHOWN, SHAPED CONDITIONS ALSO APPLY.

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 10/08/08	
DATE	BY	REVISION DESCRIPTION	NO.
<p>DRAWING TITLE: OUT-SWING IMPACT WOOD DOORS</p> <p>MANUFACTURER: TISCHLER UND SOHN (USA) LTD. SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 06901 203-674-0600</p> <p>CONSULTANTS: W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424</p>			
<p>CERTIFICATION: FEB 20 2014 WARREN W. SCHAEFER, P.E. P.E. NO. 44135</p>			
DRAWING NO. 1600		REV. B	
SHEET NO. 2		OF 17	









EXTERIOR ELEVATION: DOUBLE DOORS  
WITH TRANSOM

SCALE: 1/2" = 1'-0"

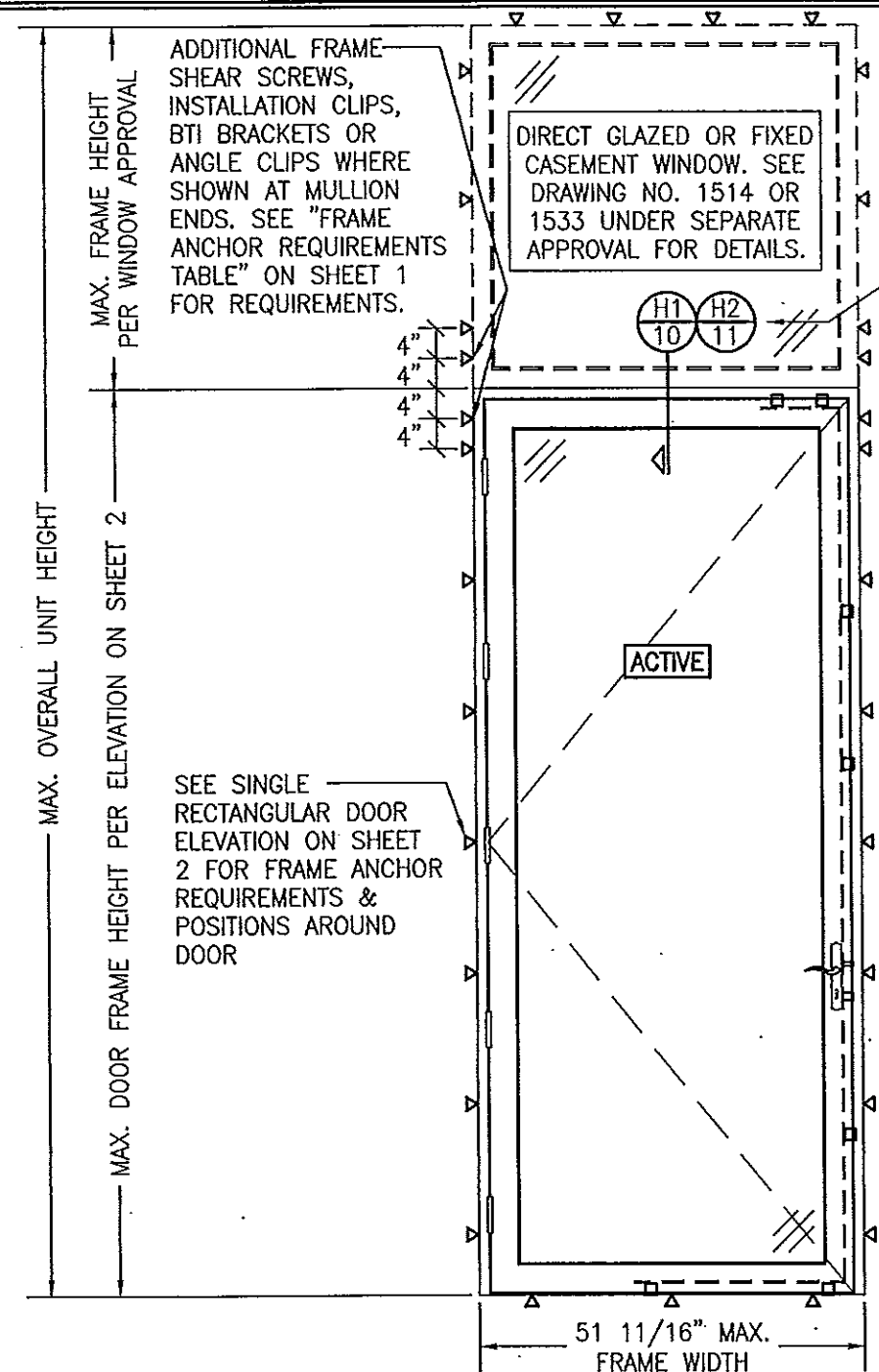
(SEE DOUBLE RECTANGULAR DOOR ELEVATION ON SHEET 2 FOR DOOR DETAIL NOT SHOWN)

ALLOWABLE DESIGN PRESSURE  
(DOUBLE DOOR TRANSOM UNIT)

MAX. FRAME WIDTH (IN.)	MAX. OVERALL UNIT HEIGHT (IN.)	(2) ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
80 1/16	168	70	70
80 1/16	138	70	(1) 85

(1) HIGHER PRESSURE OF -85 PSF IS ONLY APPLICABLE WHEN GLASS OPTIONS 2 & 5 ARE USED (USE OF ADA SILL IS NOT APPLICABLE TO UNITS WITH PRESSURE EXCEEDING +/-70 PSF).

(2) LESSER OF THE PRESSURES IN THIS TABLE & THOSE FOR THE INDIVIDUAL DOORS SHALL CONTROL.



EXTERIOR ELEVATION: SINGLE DOOR WITH  
TRANSOM

SCALE: 1/2" = 1'-0"

(SEE SINGLE RECTANGULAR DOOR ELEVATION ON SHEET 2 FOR DOOR DETAIL NOT SHOWN)

ALLOWABLE DESIGN PRESSURE  
(SINGLE DOOR TRANSOM UNIT)

MAX. FRAME WIDTH (IN.)	MAX. OVERALL UNIT HEIGHT (IN.)	(2) ALLOWABLE PRESSURE	
		POSITIVE (PSF)	NEGATIVE (PSF)
51 11/16	168	70	70
41 1/2	168	70	(1) 85

(1) HIGHER PRESSURE OF -85 PSF IS ONLY APPLICABLE WHEN GLASS OPTIONS 2 & 5 ARE USED (USE OF ADA SILL IS NOT APPLICABLE TO UNITS WITH PRESSURE EXCEEDING +/-70 PSF).

(2) LESSER OF THE PRESSURES IN THIS TABLE & THOSE FOR THE INDIVIDUAL DOORS SHALL CONTROL.

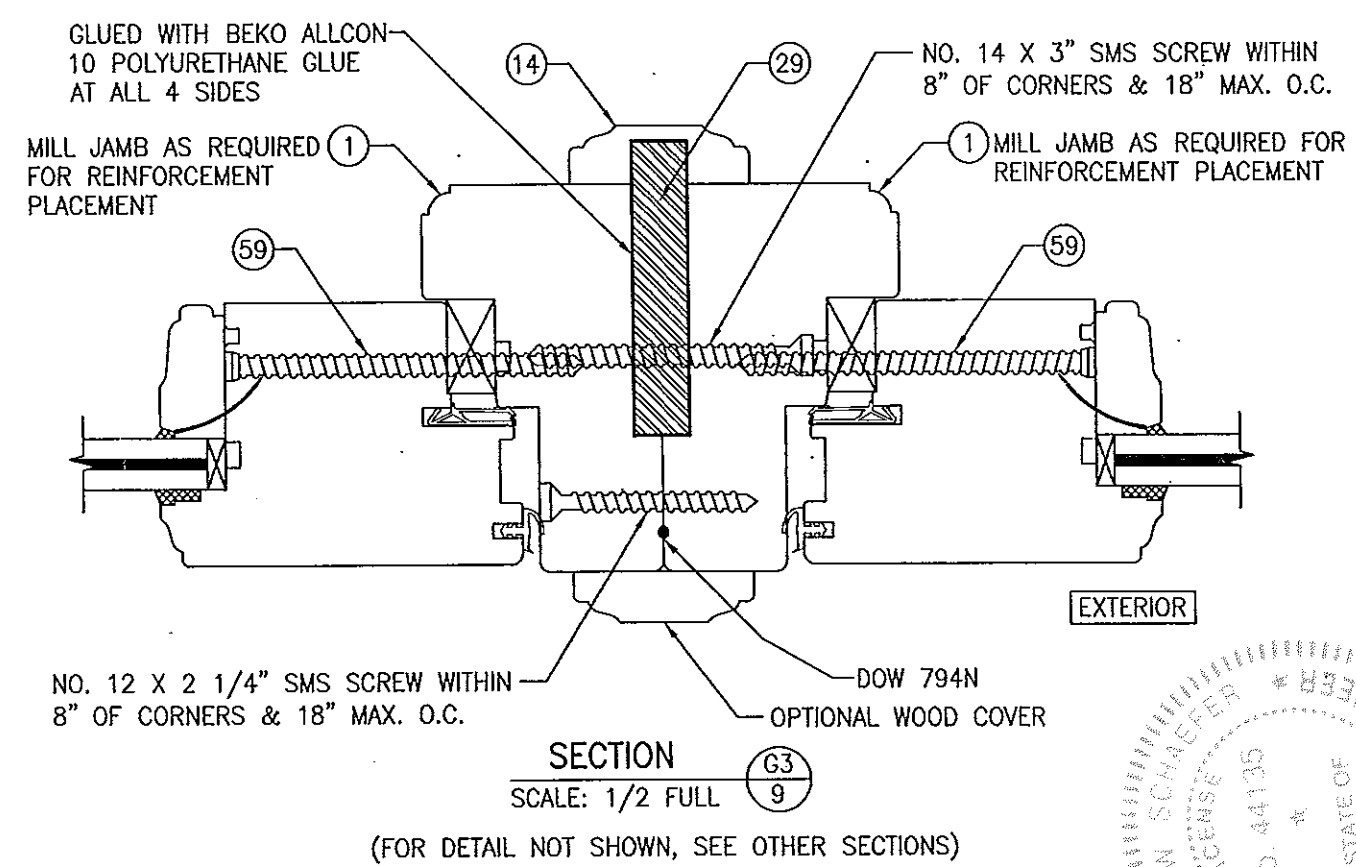
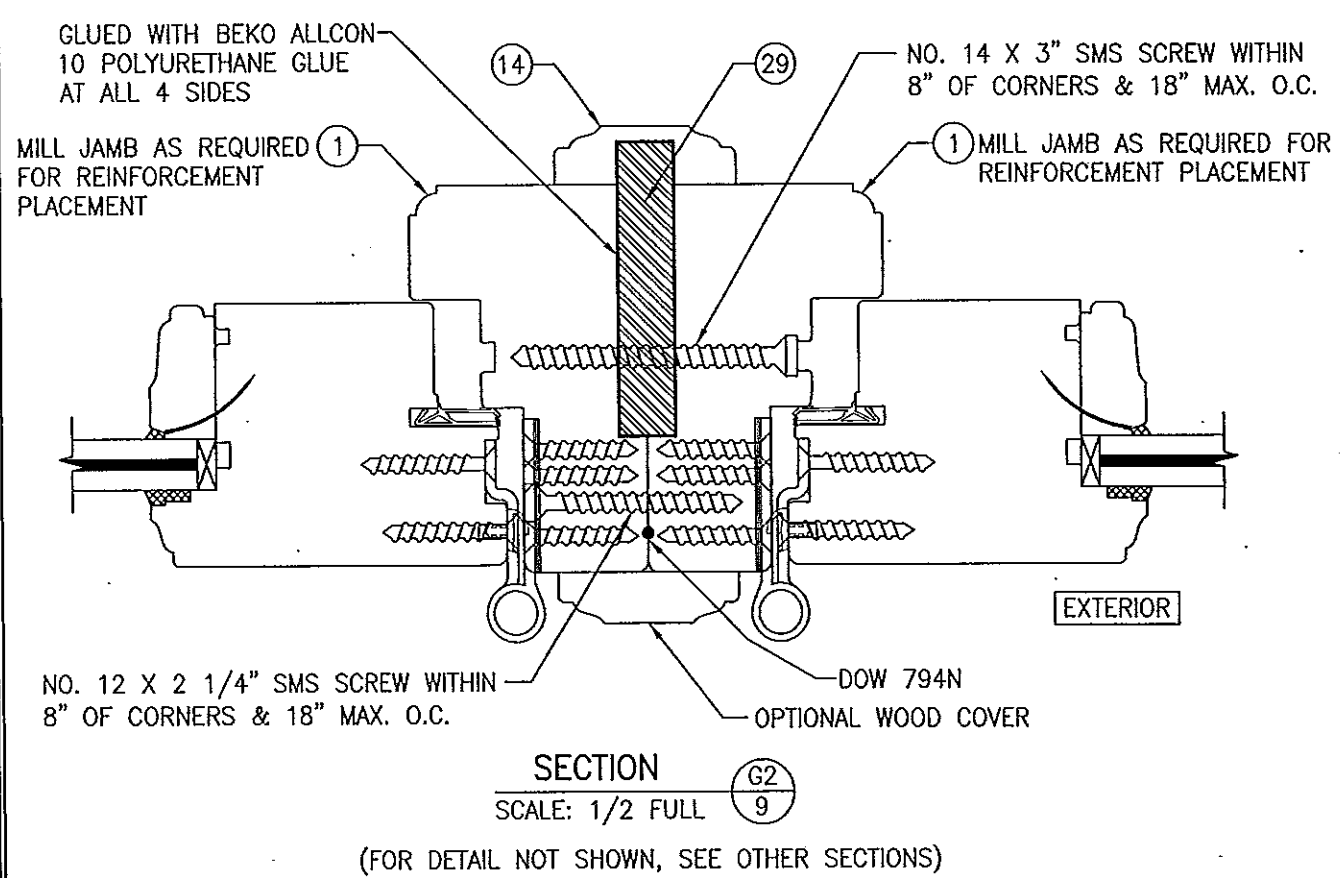
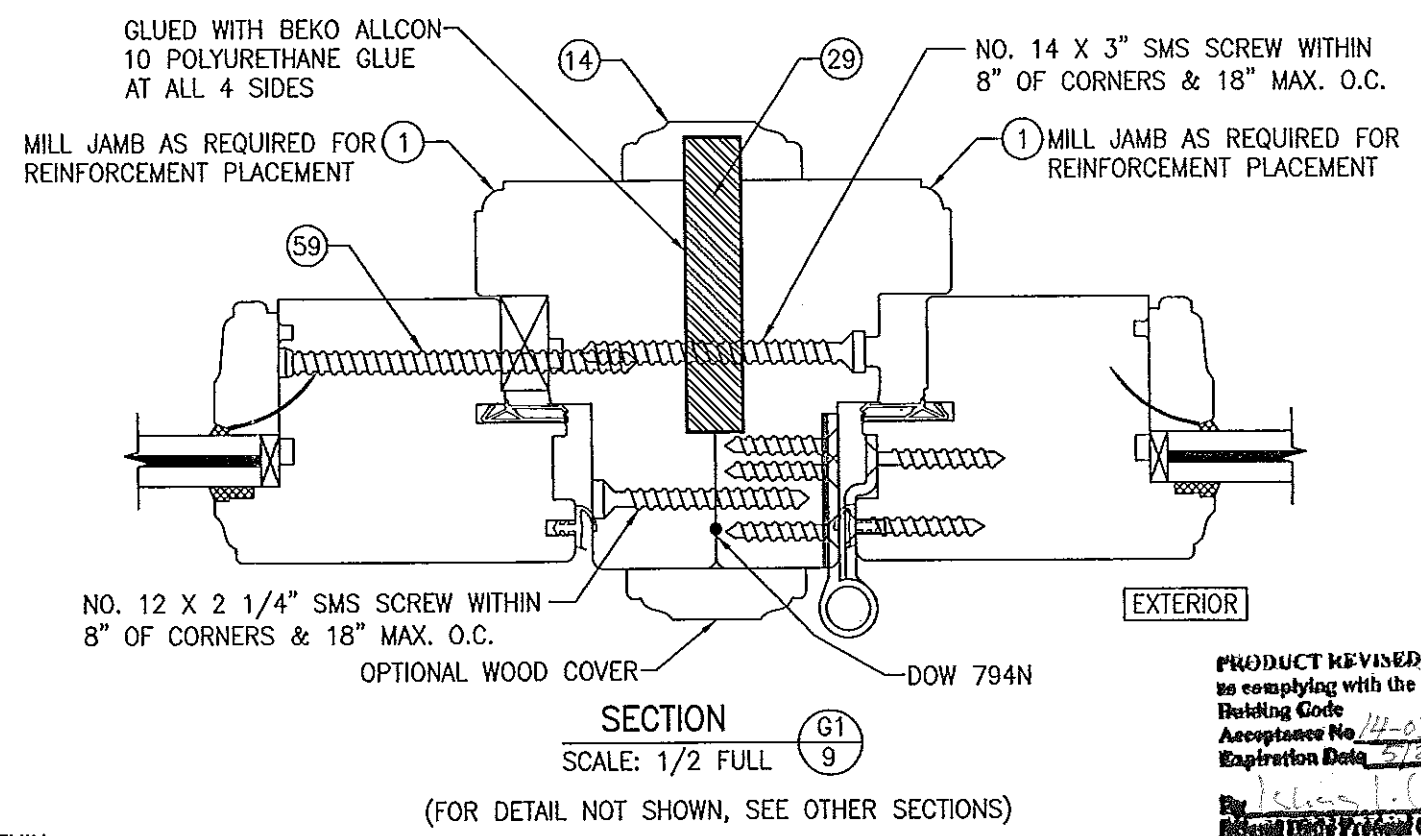
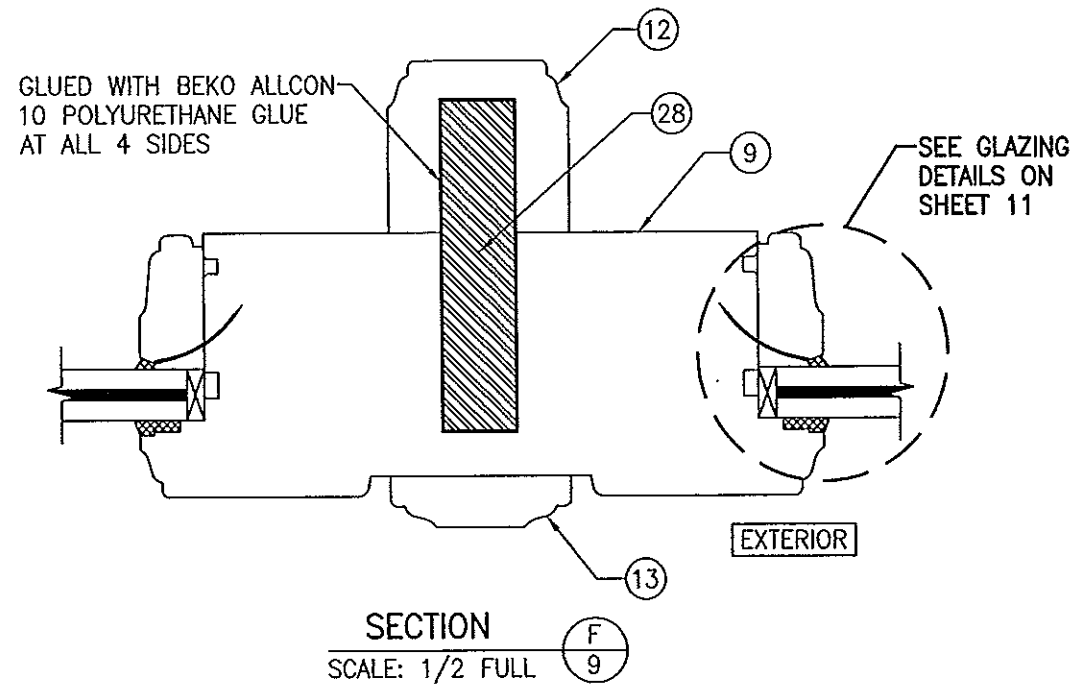
NOTE: MULLION REINFORCEMENT IS OPTIONAL WITH THIS SINGLE DOOR WITH TRANSOM ELEVATION & IS NOT REQUIRED

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0303-01  
Expiration Date 5/27/19  
By [Signature]  
Related Door Product Control

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 10/08/08	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE OUT-SWING IMPACT WOOD DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER TISCHLER UND SOHN (USA) LTD. SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 06901 203-674-0600	
CERTIFICATION FEB 20 2014		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1600		REV. B	
SHEET NO. 6		OF 17	

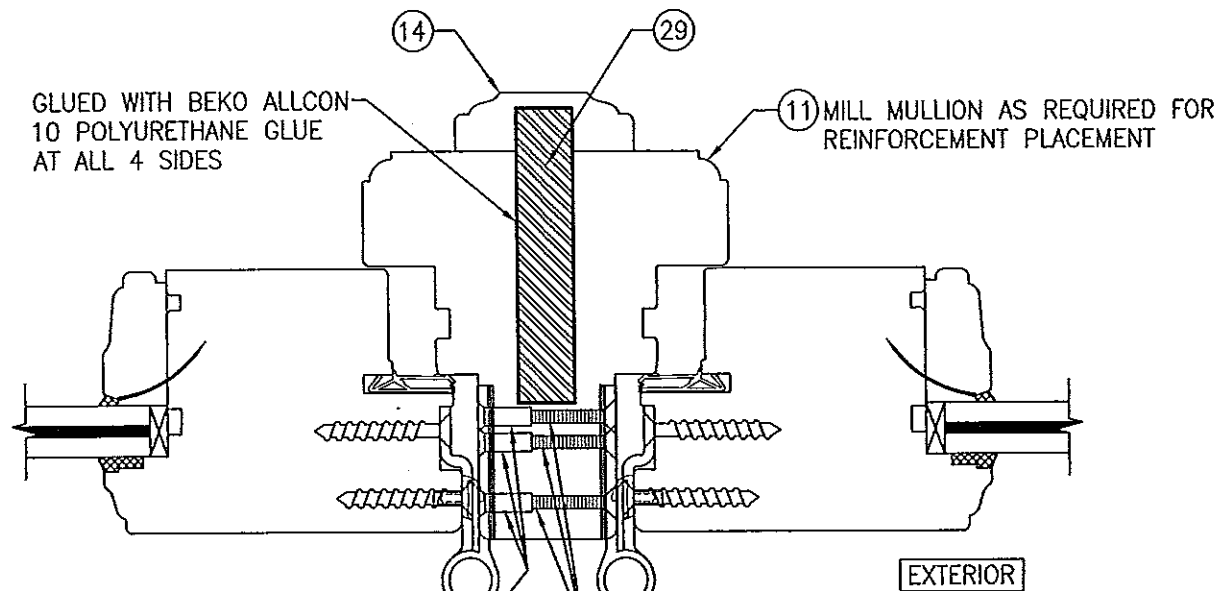






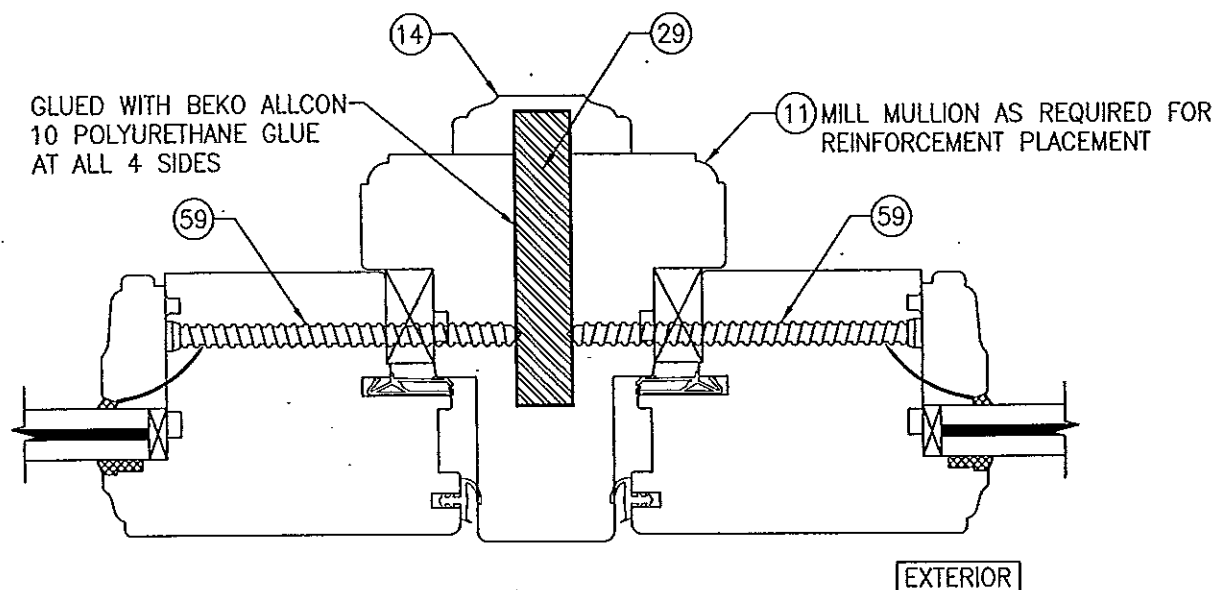
PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 14-0303-05  
Expiration Date 5/27/19

DRAWING TITLE OUT-SWING IMPACT WOOD DOORS	DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
	PLOT: 1-2	DATE: 10/08/08
	DATE	
	BY	
MANUFACTURER TISCHLER UND SOHN (USA) LTD. SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 06901 203-674-0600	REVISION	DESCRIPTION
	NO.	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	CERTIFICATION	
	FEB 20 2014	
	WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
	DRAWING NO. 1600	
SHEET NO. 9		REV. B
OF 17		



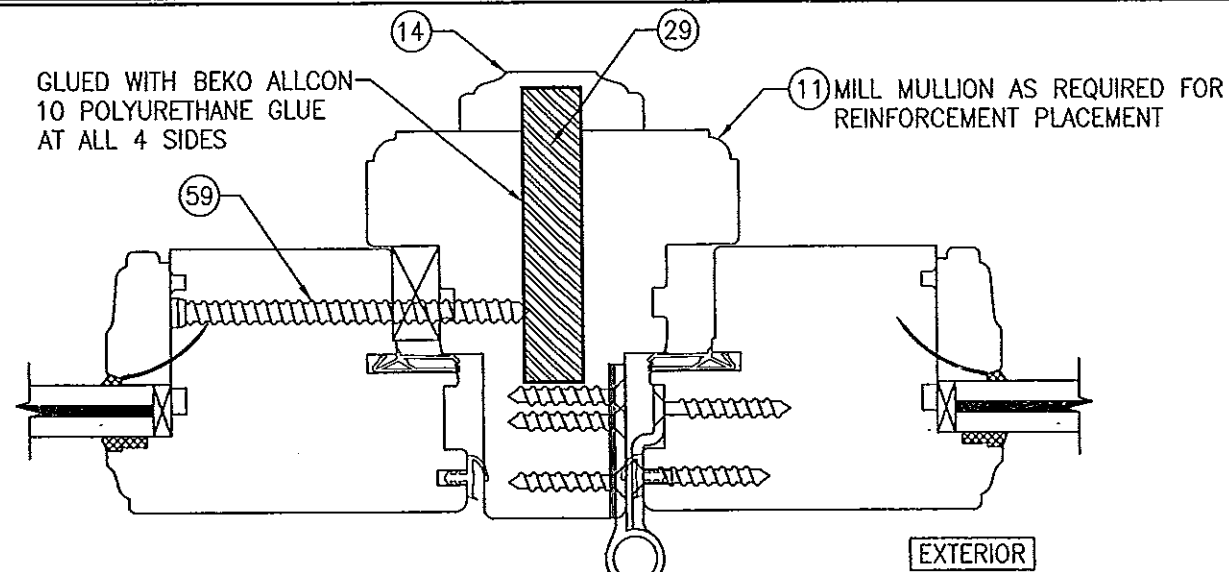
SECTION G4  
SCALE: 1/2 FULL 10

(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



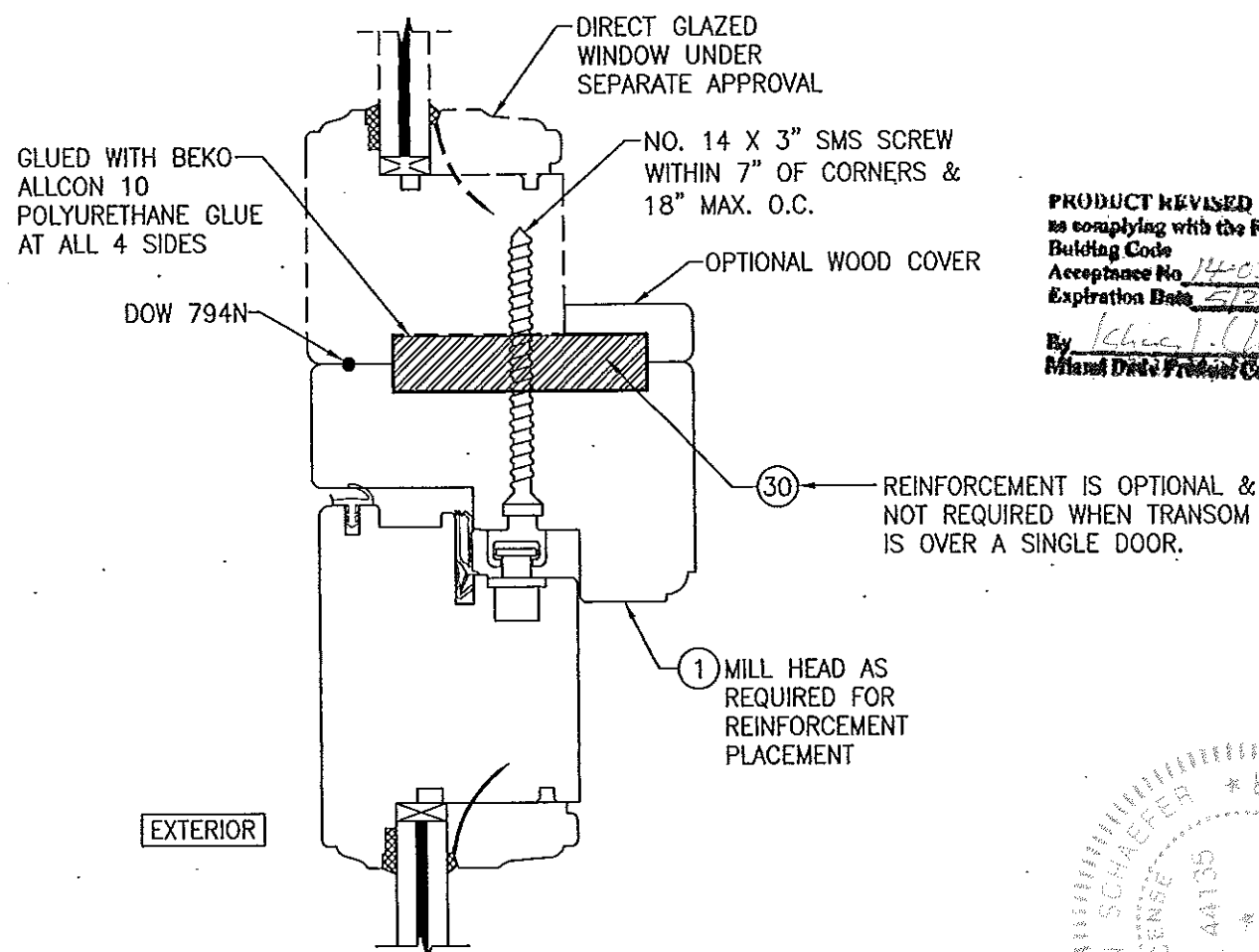
SECTION G6  
SCALE: 1/2 FULL 10

(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



SECTION G5  
SCALE: 1/2 FULL 10

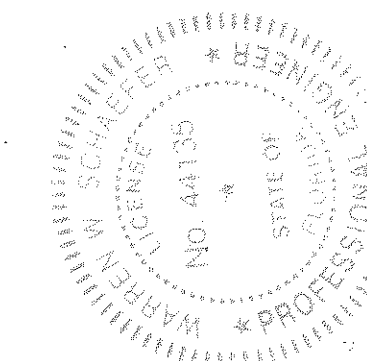
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



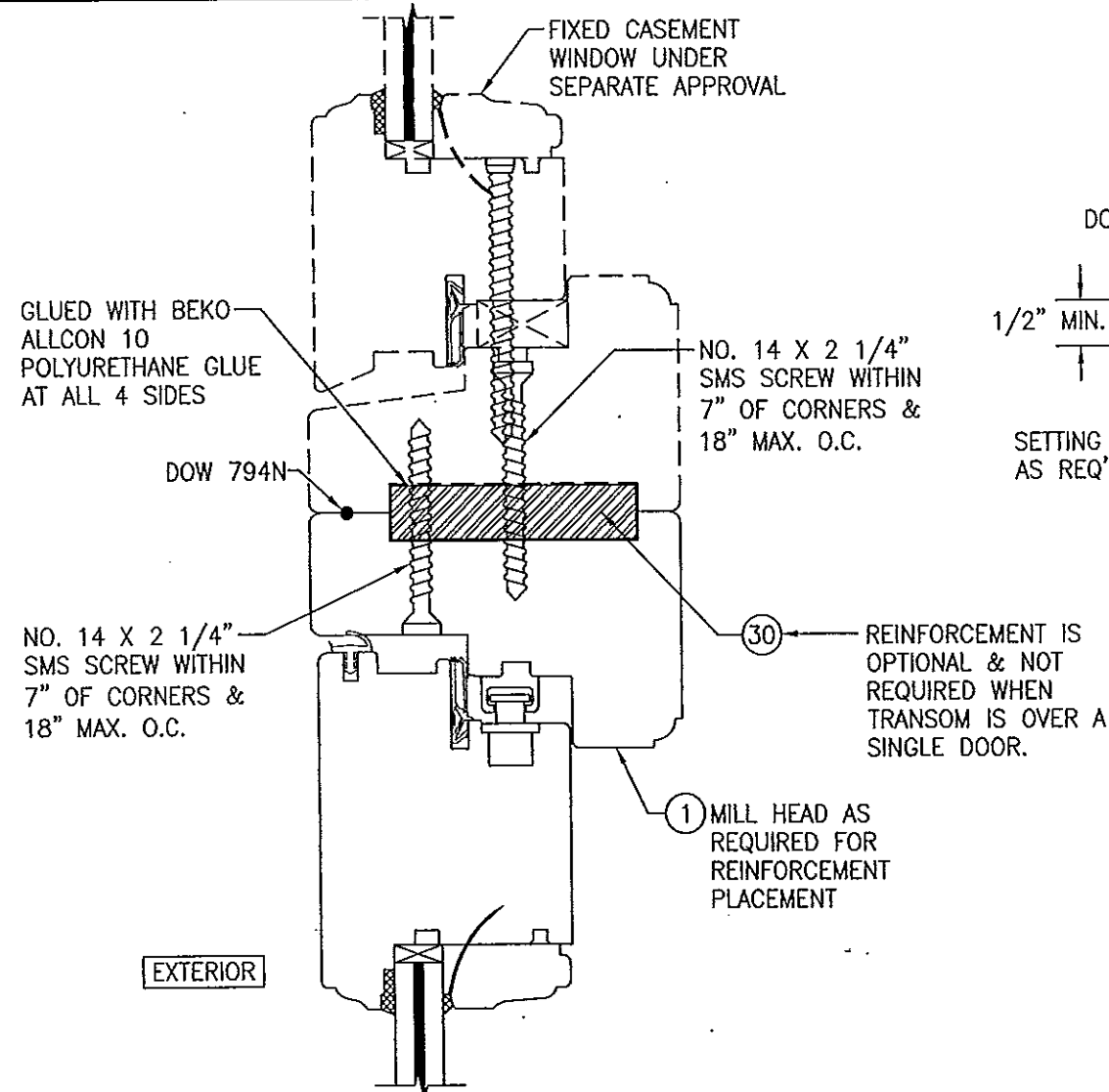
SECTION H1  
SCALE: 1/2 FULL 10

(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)  
(OPERABLE DOOR CONDITION SHOW, FIXED PANEL DOOR IS MULLED THE SAME)

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 14-0303-05  
Expiration Date 5/27/19  
By [Signature]  
Initial Date Product Created

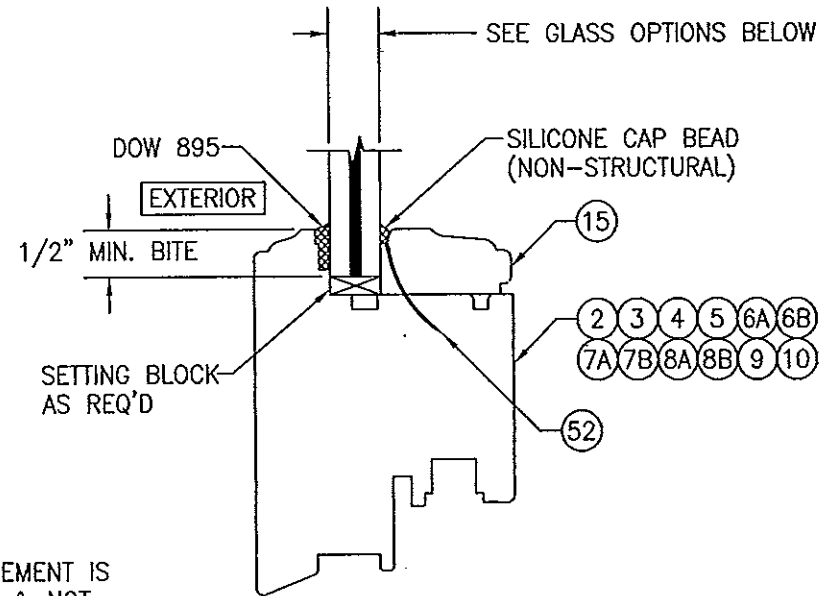


DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 10/08/08
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE OUT-SWING IMPACT WOOD DOORS	
MANUFACTURER TISCHLER UND SOHN (USA) LTD. SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 06901 203-674-0600	CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
CERTIFICATION FEB 20 2014 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1600 SHEET NO. 10 OF 17



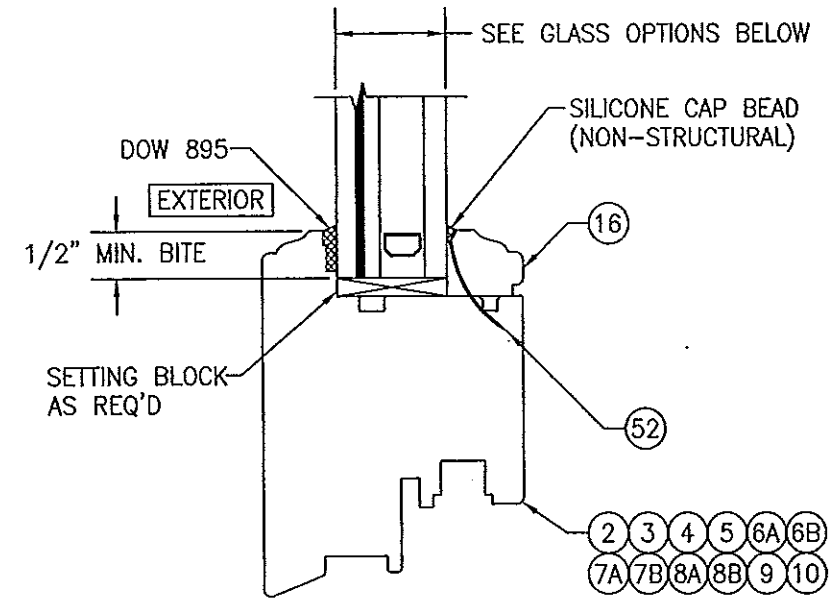
SECTION  
SCALE: 1/2 FULL (H2 11)

(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)  
(OPERABLE DOOR CONDITION SHOW, FIXED PANEL DOOR IS MULLED THE SAME)



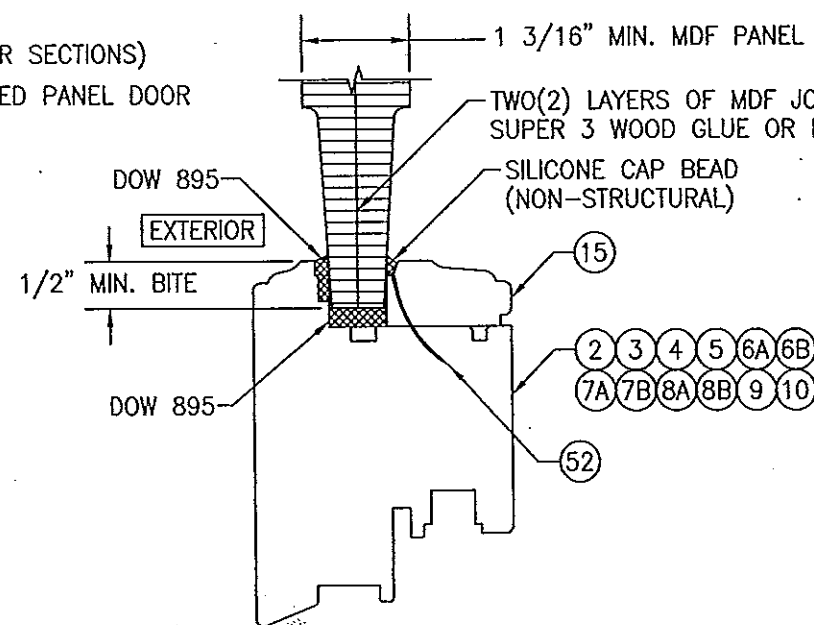
NON-I.G. GLAZING DETAIL  
GLASS OPTIONS 1, 2 & 3

GLASS OPTION 1: 9/16" LAMINATED GLASS (1/4" AN./0.09" EASTMAN CHEM. CO. SAFLEX/1/4" AN.)  
GLASS OPTION 2: 9/16" LAMINATED GLASS (1/4" H.S./0.075" EASTMAN CHEM. CO. SAFLEX CP/1/4" H.S.)  
GLASS OPTION 3: 9/16" LAMINATED GLASS (1/4" AN./0.075" EASTMAN CHEM. CO. SAFLEX CP/1/4" AN.)

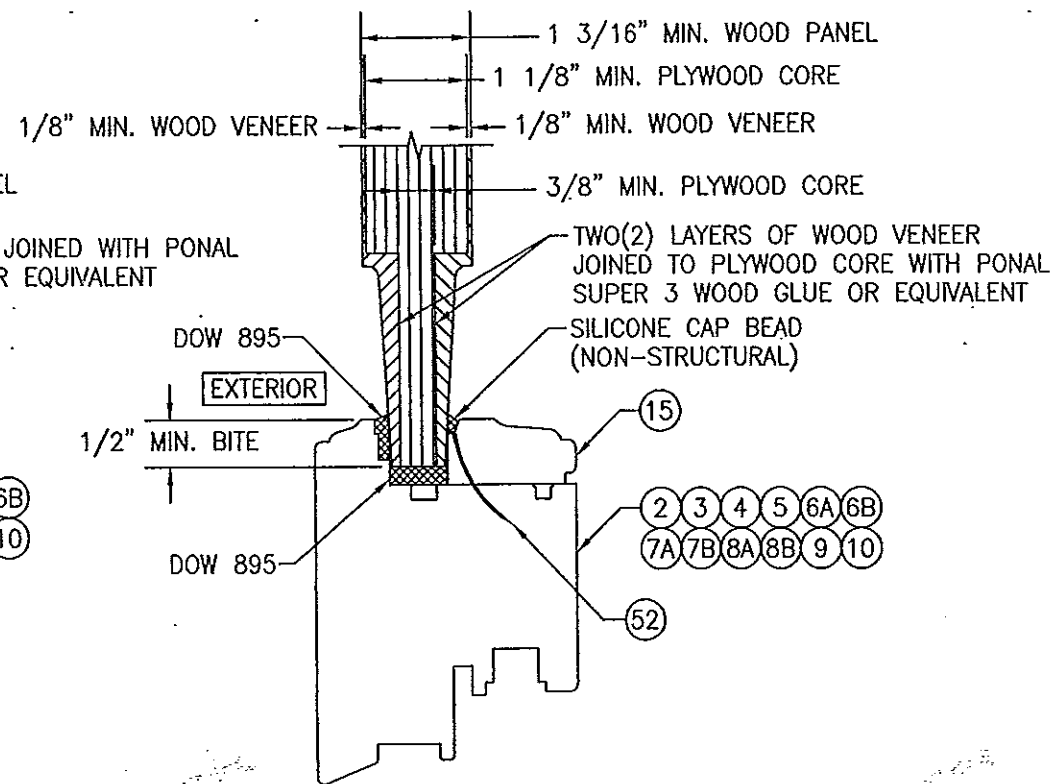


I.G. GLAZING DETAIL  
GLASS OPTIONS 4, & 5

GLASS OPTION 4: 1 3/16" LAMINATED I.G. (3/16" AN./0.09" EASTMAN CHEM. CO. SAFLEX/3/16" AN./1/2" AIR SPACE/1/4 TEMP.)  
GLASS OPTION 5: 1 3/16" LAMINATED I.G. (3/16" H.S./0.075" EASTMAN CHEM. CO. SAFLEX CP/3/16" H.S./1/2" AIR SPACE/1/4 TEMP.)

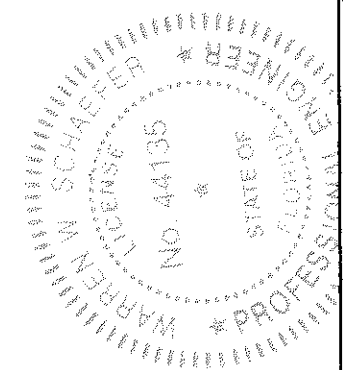


MDF PANEL GLAZING DETAIL

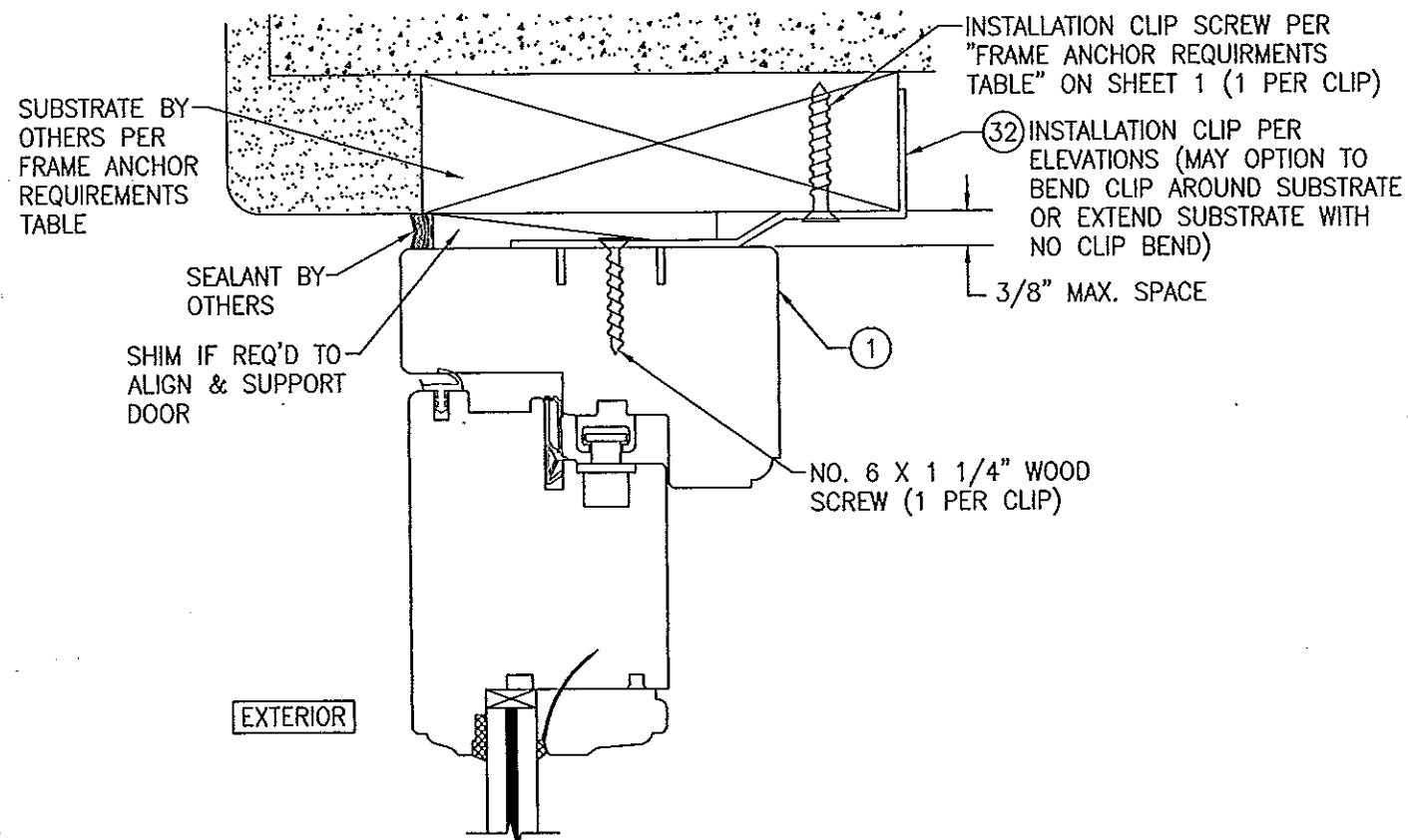


WOOD VENEER PANEL GLAZING DETAIL

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0303-05  
Expiration Date 5/27/19  
By: [Signature]

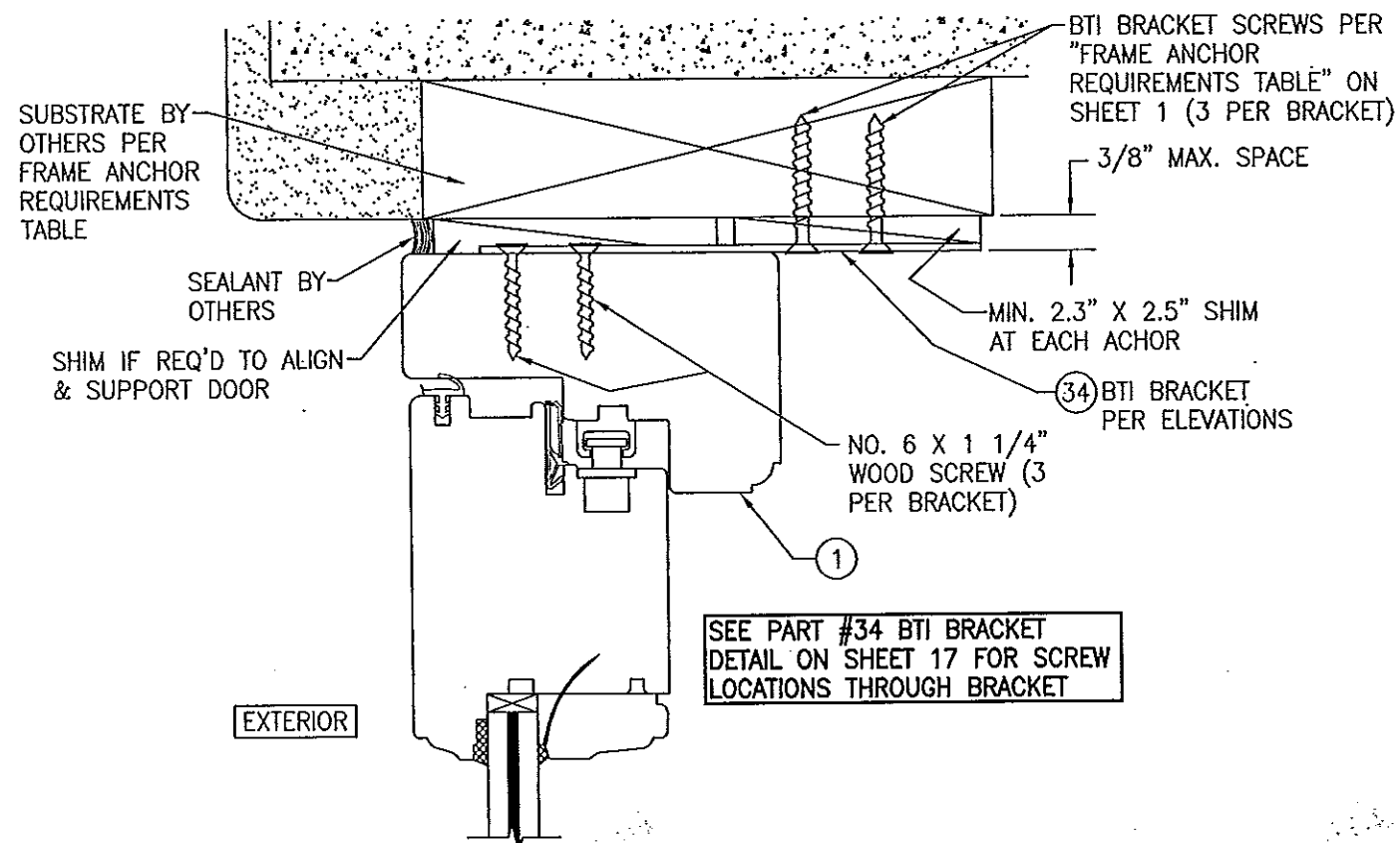


DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 10/08/08
DATE	BY
REVISION DESCRIPTION	NO.
<p>DRAWING TITLE <b>OUT-SWING IMPACT WOOD DOORS</b></p> <p>MANUFACTURER <b>TISCHLER UND SOHN (USA) LTD.</b> SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 06901 203-674-0600</p> <p>CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424</p>	
CERTIFICATION	<p><b>FEB 20 2014</b></p> <p>WARREN W. SCHAEFER, P.E. P.E. NO. 44135</p>
DRAWING NO. <b>1600</b>	REV. <b>B</b>
SHEET NO. <b>11</b>	OF <b>17</b>



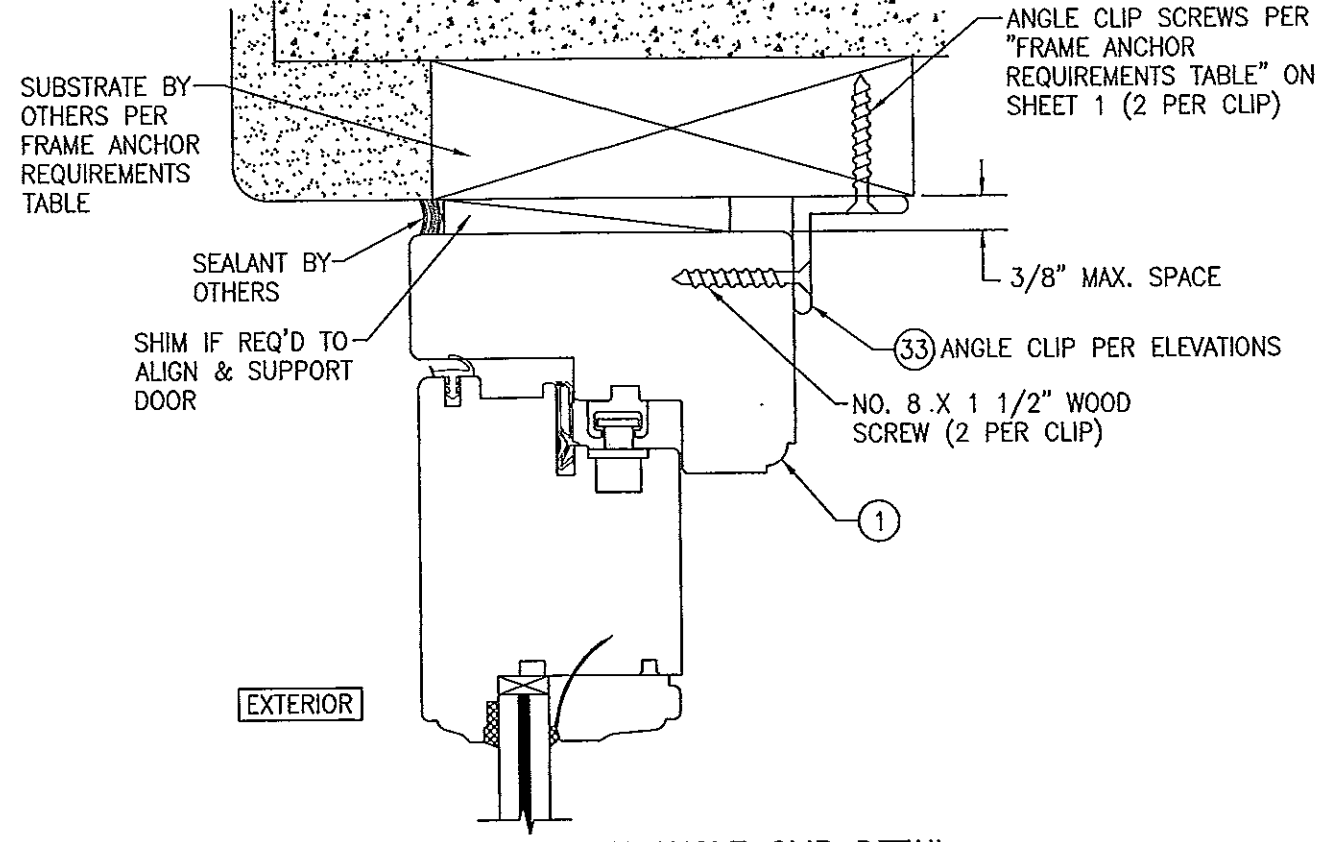
#### OPTIONAL INSTALLATION CLIP DETAIL

(HEAD SECTION SHOWN, SIDES ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



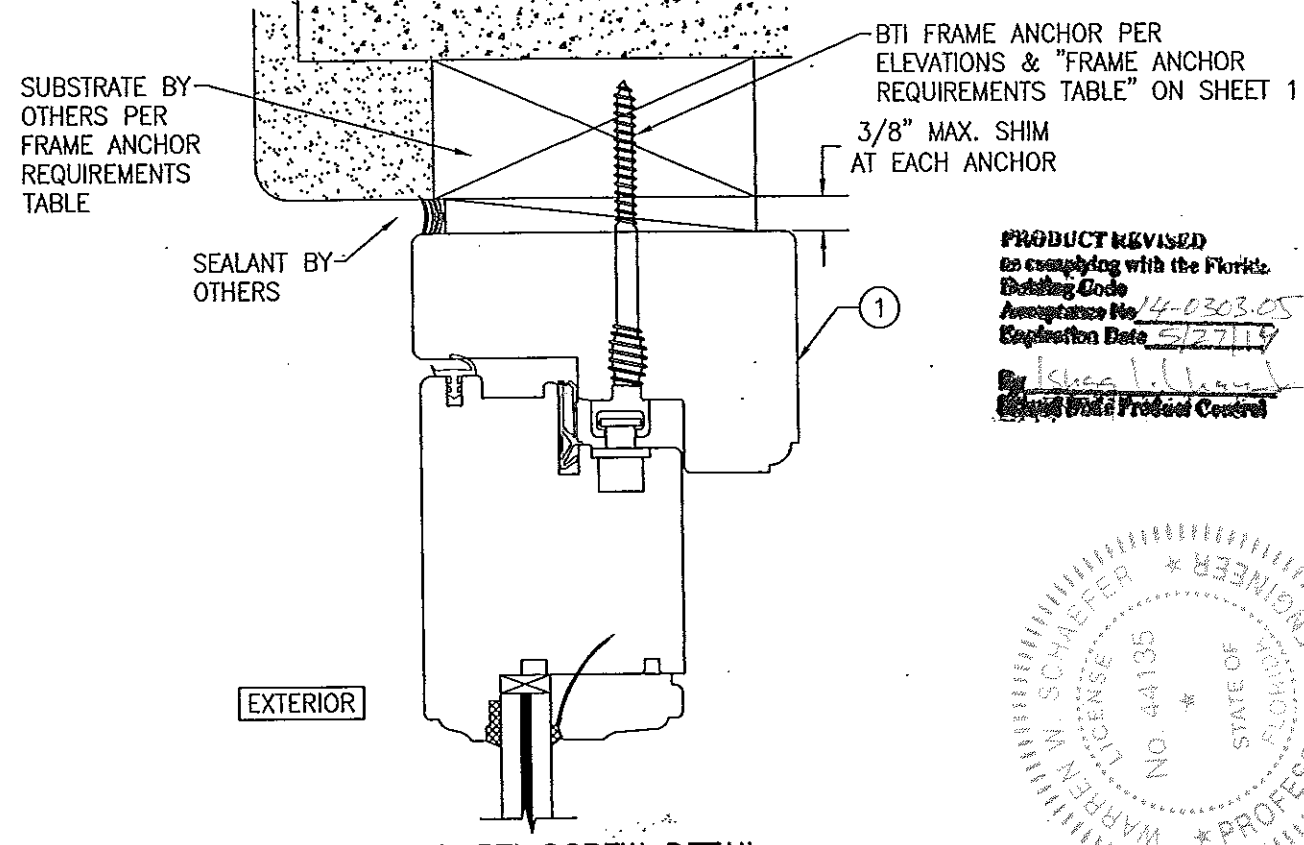
#### OPTIONAL INSTALLATION BTI BRACKET DETAIL

(HEAD SECTION SHOWN, SIDES ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



#### OPTIONAL INSTALLATION ANGLE CLIP DETAIL

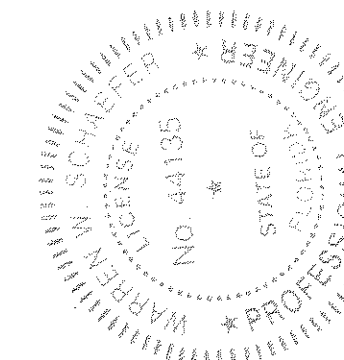
(HEAD SECTION SHOWN, SIDES ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



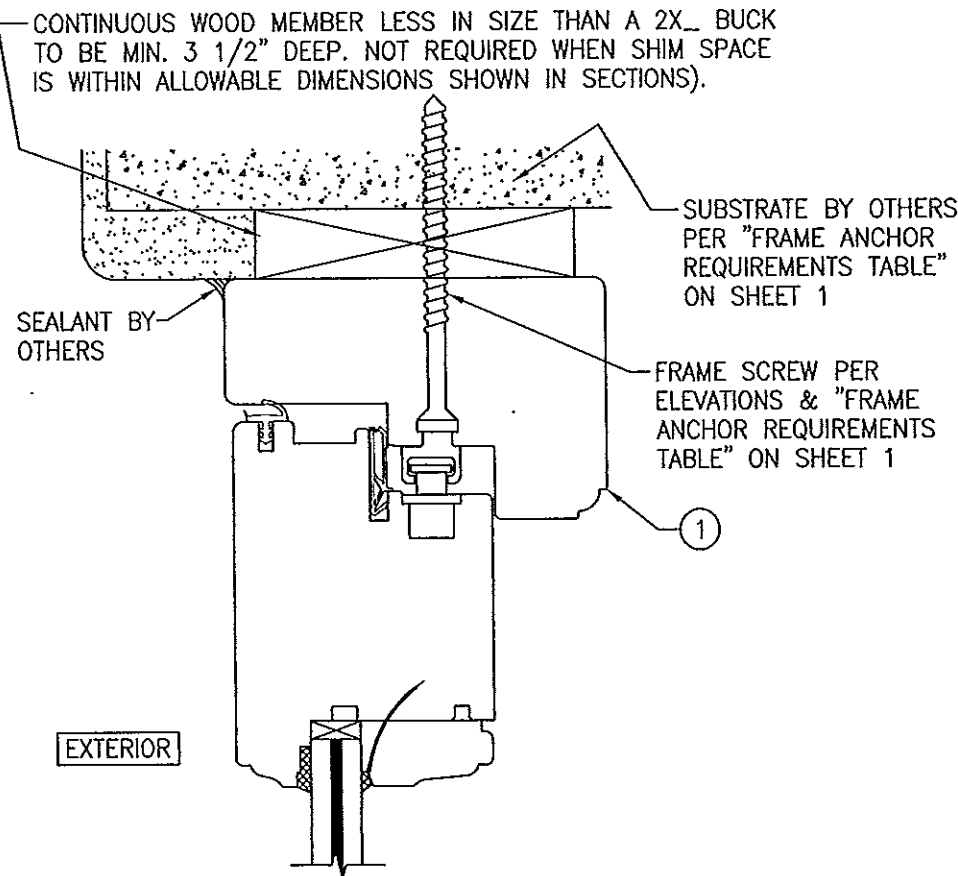
#### OPTIONAL BTI SCREW DETAIL

(HEAD SECTION SHOWN, SIDES ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

**PRODUCT REVISED**  
to comply with the Florida  
Building Code  
Acceptance No. 14-0303-05  
Expiration Date 5/27/19  
By [Signature]  
Product Control

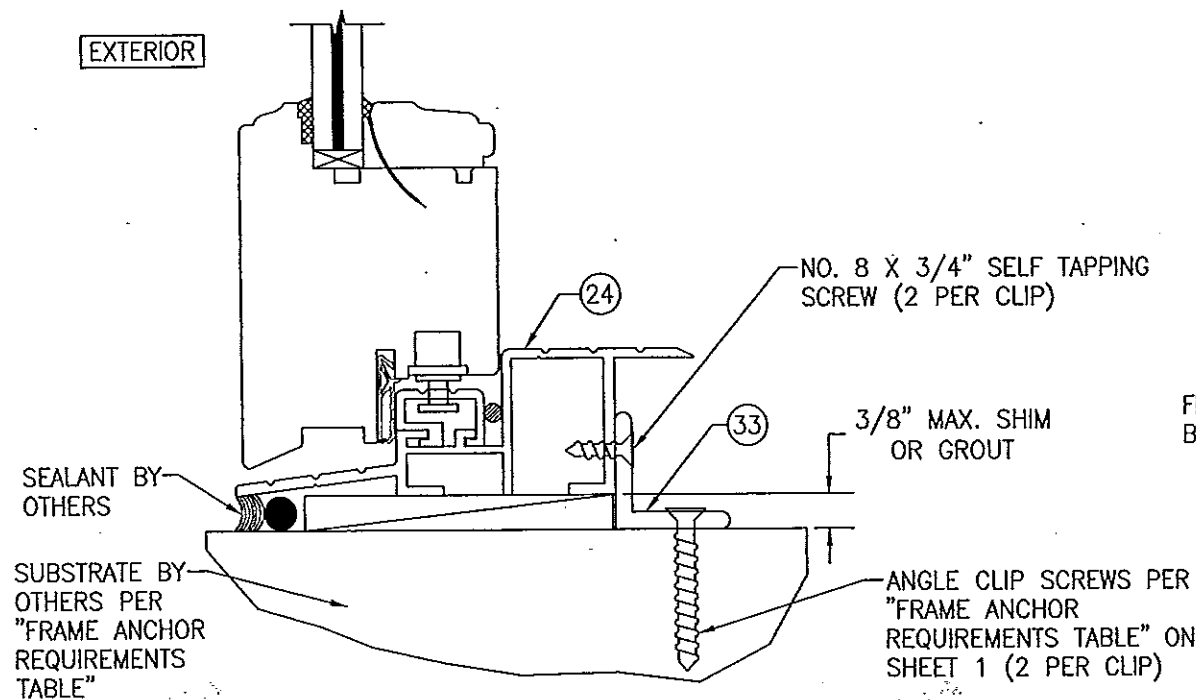


DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 10/08/08	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: OUT-SWING IMPACT WOOD DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: TISCHLER UND SOHN (USA) LTD. SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 06901 203-674-0600	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1600		REV. B	
SHEET NO. 12		OF 17	



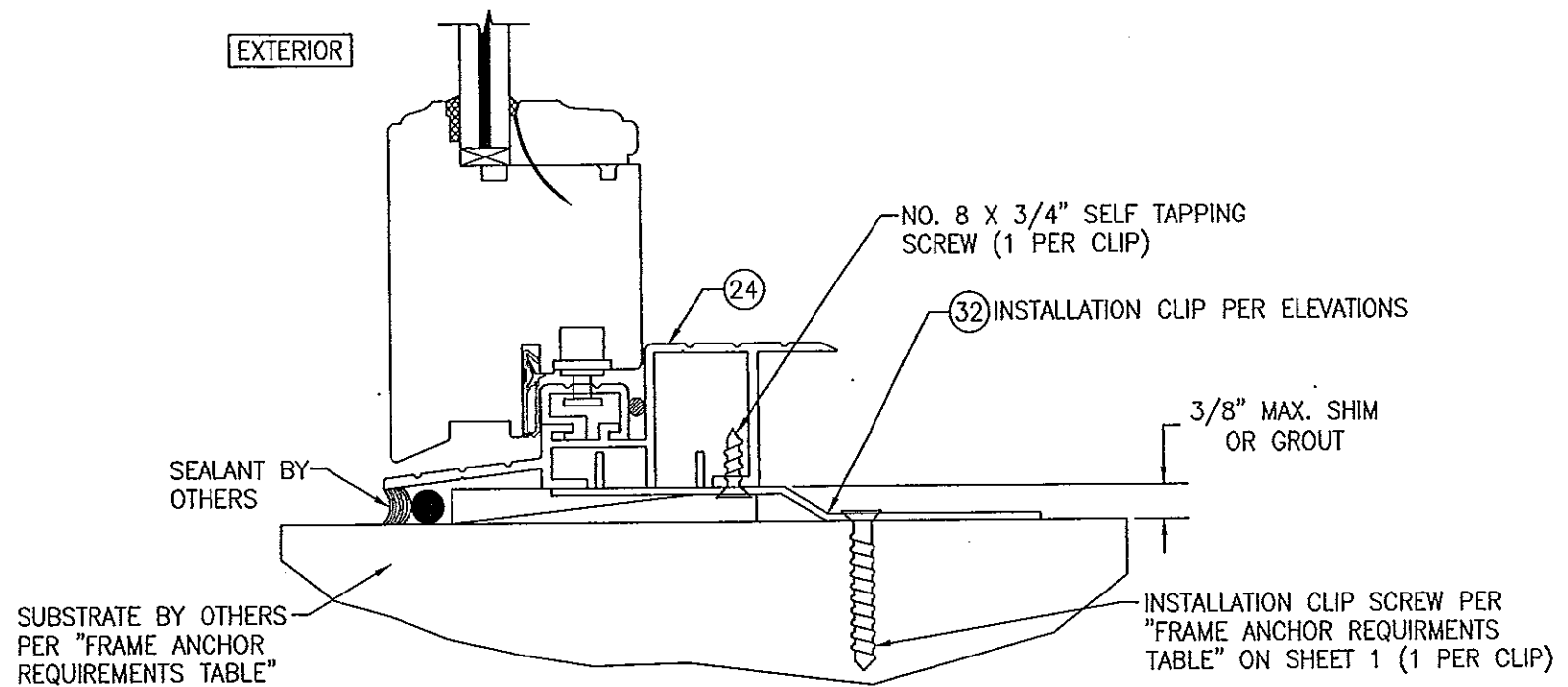
**OPTIONAL DIRECT MOUNT DETAIL  
TO SUBSTRATE WITH SPACER**

(HEAD SECTION SHOWN, SIDES ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



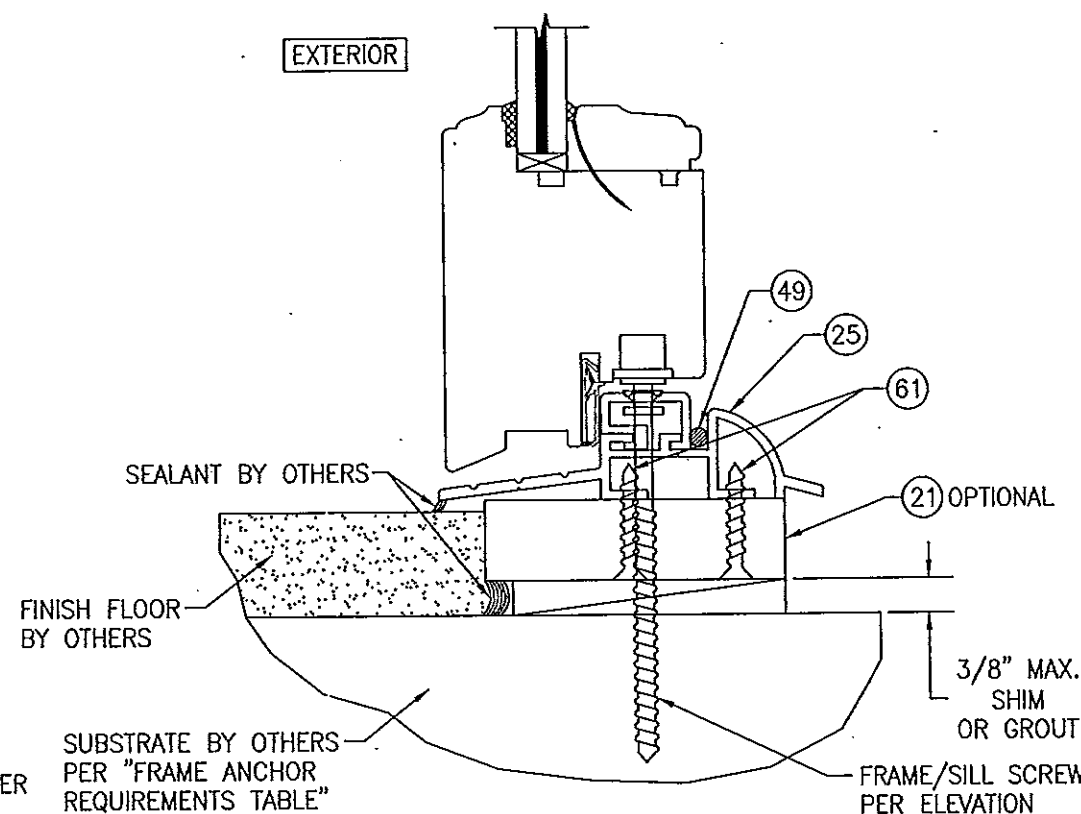
**SILL DETAIL (STANDARD SILL INSTALLED WITH ANGLE CLIP)**

(OPERABLE DOOR CONDITION SHOWN, FIXED PANEL DOORS ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



**SILL DETAIL (STANDARD SILL INSTALLED WITH INSTALLATION CLIP)**

(OPERABLE DOOR CONDITION SHOWN, FIXED PANEL DOORS ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



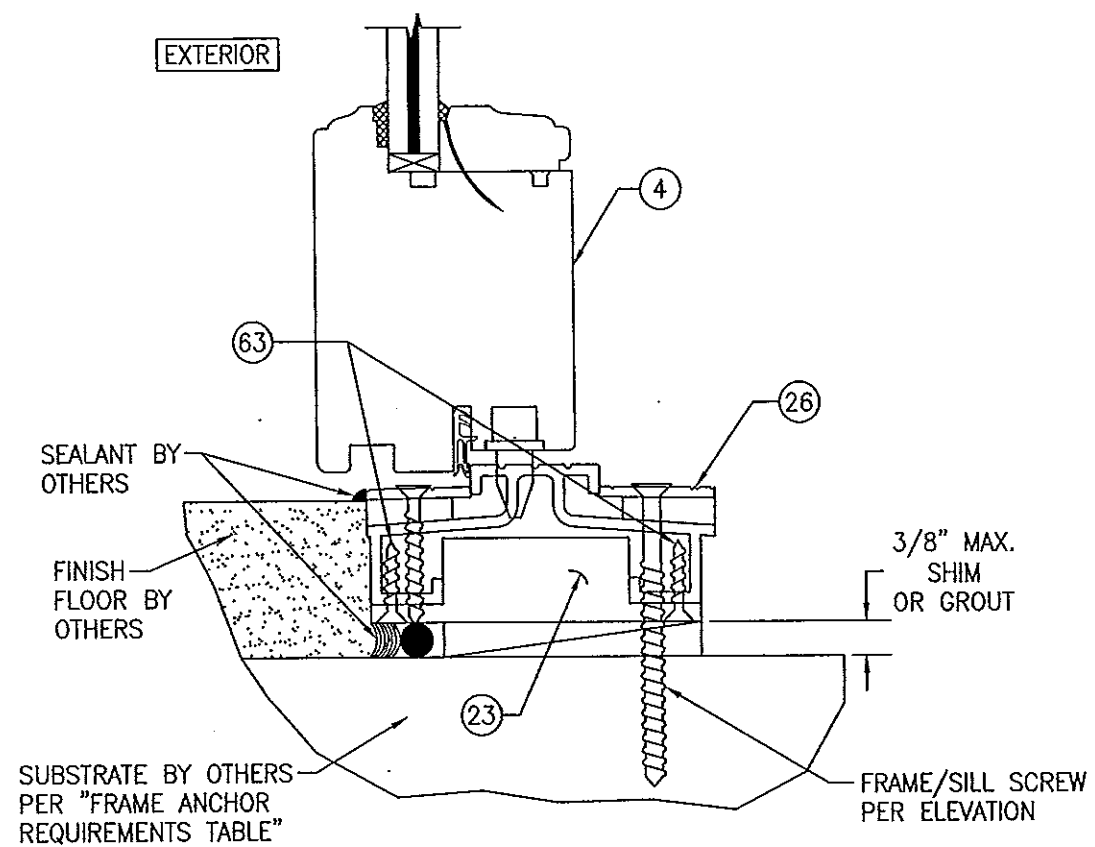
**SILL DETAIL (OPTIONAL SILL INSTALLED WITH FRAME/SILL SCREW)**

(OPERABLE DOOR CONDITION SHOWN, FIXED PANEL DOORS ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

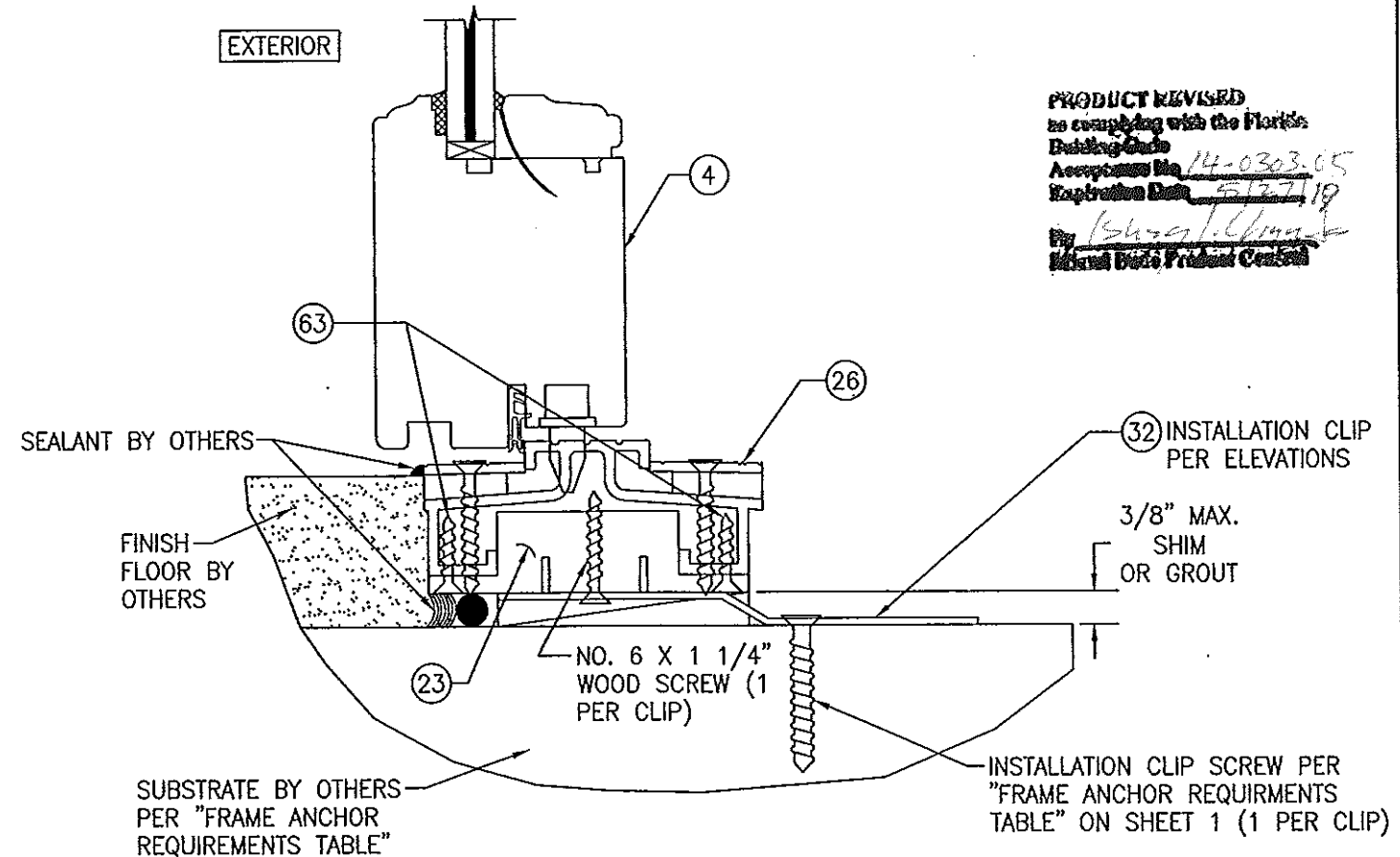
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0303-05  
Expiration Date 5/27/19  
By [Signature]  
Return Date: Product Control

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 10/08/08	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE <b>OUT-SWING IMPACT WOOD DOORS</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b>		MANUFACTURER <b>TISCHLER UND SOHN (USA) LTD.</b> SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 06901 203-674-0600	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. <b>1600</b>		REV. <b>B</b>	
SHEET NO. <b>13</b>		OF <b>17</b>	

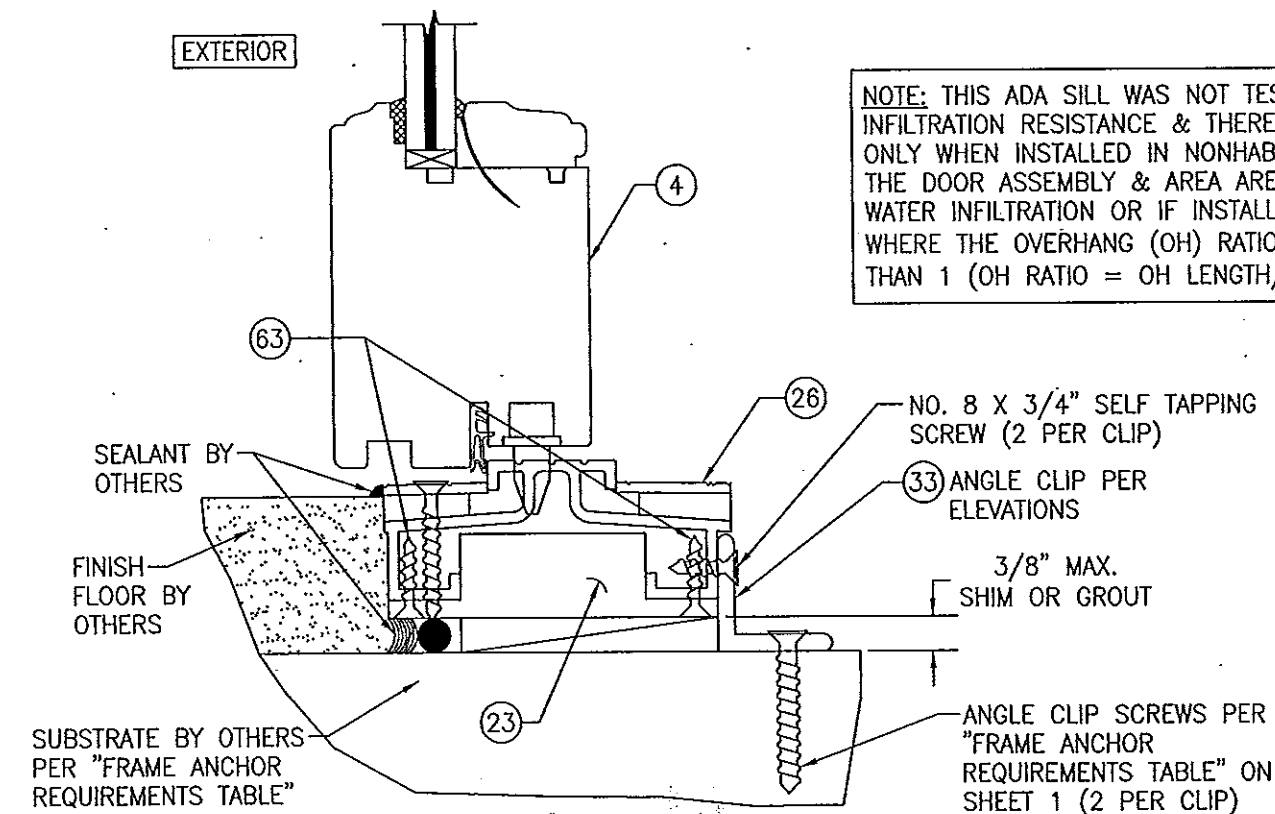




**ADA SILL DETAIL (ADA SILL INSTALLED WITH FRAME/SILL SCREW)**  
 (OPERABLE DOOR CONDITION SHOWN, FIXED PANEL DOORS ARE INSTALLED THE SAME)  
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

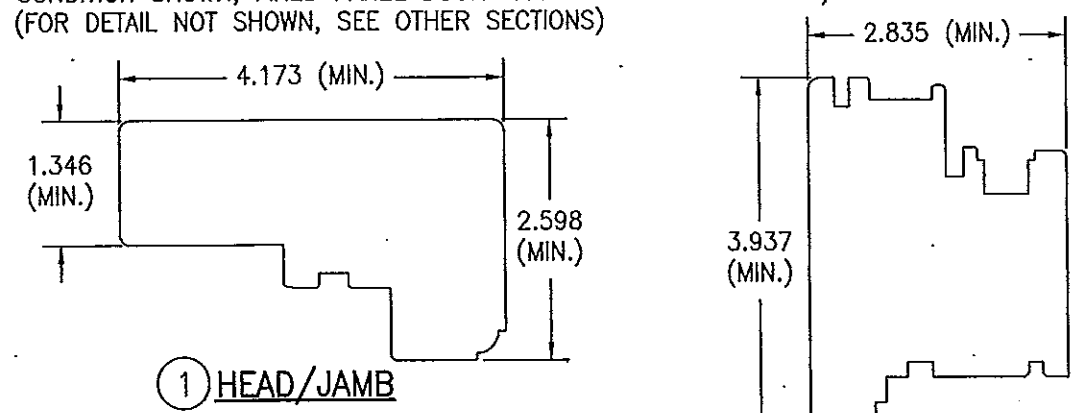


**ADA SILL DETAIL (ADA SILL INSTALLED WITH INSTALLATION CLIP)**  
 (OPERABLE DOOR CONDITION SHOWN, FIXED PANEL DOORS ARE INSTALLED THE SAME)  
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



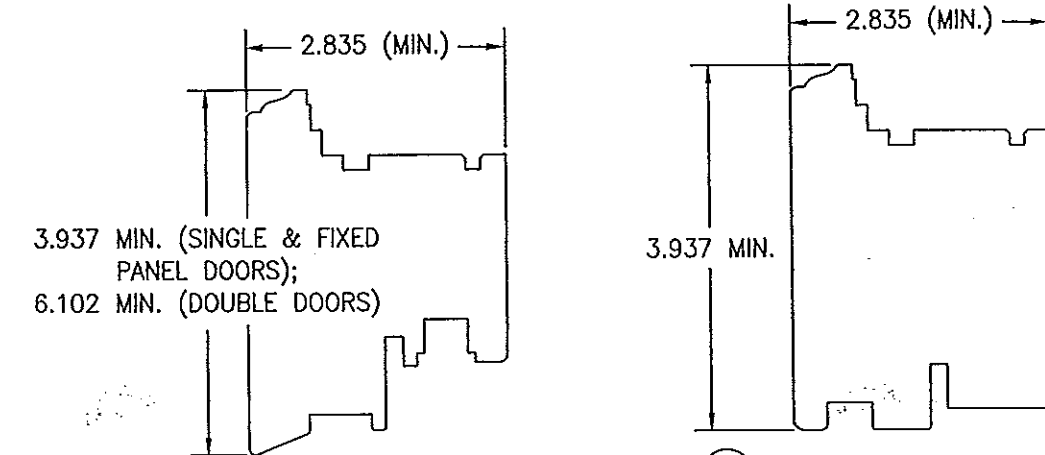
**ADA SILL DETAIL (ADA SILL INSTALLED WITH ANGLE CLIP)**  
 (OPERABLE DOOR CONDITION SHOWN, FIXED PANEL DOORS ARE INSTALLED THE SAME)  
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

NOTE: THIS ADA SILL WAS NOT TESTED FOR WATER INFILTRATION RESISTANCE & THEREFORE IS ACCEPTABLE ONLY WHEN INSTALLED IN NONHABITABLE AREAS WHERE THE DOOR ASSEMBLY & AREA ARE DESIGNATED TO ACCEPT WATER INFILTRATION OR IF INSTALLED BELOW AN OVERHANG WHERE THE OVERHANG (OH) RATIO IS EQUAL TO OR MORE THAN 1 (OH RATIO = OH LENGTH/OH HEIGHT).



**1 HEAD/JAMB**

**2 TOP RAIL**



**3 STANDARD BOTTOM RAIL**

**4 BOTTOM RAIL (USED WITH ADA THRESHOLD)**

PRODUCT REVISED  
 to comply with the Florida  
 Building Code  
 Acceptance No. 14-0303-05  
 Expiration Date 5/31/19  
 By [Signature]  
 Miami Dade Product Center

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 10/08/08
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE OUT-SWING IMPACT WOOD DOORS	
MANUFACTURER TISCHLER UND SOHN (USA) LTD. SIX SUBURBAN AVENUE STAMFORD, CONNECTICUT 06901 203-674-0600	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION FEB 20 2014 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1600	REV. B
SHEET NO. 15 OF 17	



